Panasonic

MP3 WMA CD Player/Receiver with CD Changer Control

CQ-C5400/C5300N

CD Player/Receiver with CD Changer Control

CQ-C5100N

(CQ-C5400N)

COMPACT disc DIGITAL AUDIO TEXT

WMA

MP3

PANASONIC INTELLIGENT RIDISI

- Please read these instructions carefully before using this product and keep this manual for future reference.
- Bitte lesen Sie diese Bedienungsanleitung vor der Verwendung dieses Produktes aufmerksam durch und bewahren Sie sie danach für spätere Nachschlagzwecke sorgfältig auf.
- Prière de lire ces instructions attentivement avant d'utiliser le produit et garder ce manuel pour l'utilisation ultérieure.
- Leest u deze instructie alstublieft zorgvuldig door voor u dit product in gebruik neemt en bewaar deze handleiding voor later gebruik.
- Läs igenom denna bruksanvisning noga innan produkten tas i bruk. Spara bruksanvisningen för framtida behov.
- Si prega di leggere attentamente queste istruzioni prima di usare questo prodotto e di conservare questo manuale per usi futuri.
- Lea con atención estas instrucciones antes de utilizar el producto y guarde este manual para poderlo consultar en el futuro.
- Przeczytaj uważnie instrukcję obsługi przed rozpoczęciem używania urządzenia i zachowaj ją do użytku w przyszłości.

Matsushita Electric Industrial Co., Ltd.
Web Site : http://www.panasonic.co.jp/global/

YEFM284146 NT1203-0 Printed in China

Panasonic welcomes you to their constantly growing family of electronic products owners.
We endeavor to give you the advantages of precise electronic and mechanical engineering, manufactured with carefully selected components, and assembled by people who are proud of the reputation their work has built for our company. We know this product will bring you many hours of enjoyment, and after you discover the quality, value and reliability we have built into it, you too will be proud to be a member of our family.

Precautions

When Driving
Keep the volume level low enough to be aware of road and traffic conditions.

When Washing Your Car
Do not expose the product, including the speakers and CDs, to water or excessive moisture. This could cause electrical shorts, fire, or other damage.

When Parked
Parking in direct sunlight can produce very high temperatures inside your car. Give the interior a chance to cool down before switching the unit on.

Use the Proper Power Supply
This product is designed to operate with a 12 V DC, negative ground battery system.

Disc Mechanism
Do not insert coins or any small objects. Keep screwdrivers and other metallic objects away from the disc mechanism and disc.

Service
This product is made of precision parts. Do not attempt to disassemble or adjust any parts. For repair, please consult your nearest authorized Panasonic Service Centre.

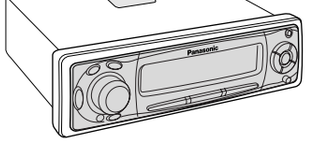
For installation
This product should be installed in a horizontal position with the front end up at a convenient angle, but not more than 30˚.

Note:
- The preset memory is cleared to return to the original factory setting when the power connector or battery is disconnected.

Laser Product

Label Indications and Their Locations

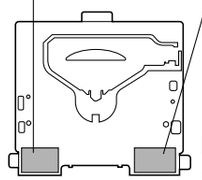
CAUTION
LASER RADIATION
WHEN OPEN.
DO NOT STARE INTO BEAM.



CLASS 1 LASER PRODUCT
- APPREIL À LASER DE CLASSE
- KLASS 1 LASER APPARAT
- LUOKAN 1 LASERPLAITE

Caution Label

CAUTION LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM.	VARO! AVATTAESSA OLET ALTTIINA LASERSÄTEILYLLE. ÄLÄ TUIJOTA SÄTEESEEN.
VORSICHT LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET. NICHT IN DEN STRAHL BLICKEN.	VARNING LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. STIRRA EJ IN I STRÅLEN.
ATTENTION RAYONNEMENT LASER EN CAS D'OUVERTURE. NE PAS REGARDER DANS LE FAISCEAU.	ADVARSEL LASERSTRÅLING NÅR DEKSEL ÅPNES. STIRR IKKE INN I STRÅLEN.
ADVARSEL LASERSTRÅLING VED ÅBNING. SE IKKE IND I STRÅLEN.	



Deck Ass'y
(Upper Side)

Caution: This product utilizes a laser.
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Laser products:
Wave Length: 780 nm
Laser Power: No hazardous radiation is emitted with safety protection.

Do not take apart this unit or attempt to make any changes yourself.
This unit is a very intricate device that uses a laser pickup to retrieve information from the surface of compact discs. The laser is carefully shielded so that its rays remain inside the cabinet.
Therefore, never try to disassemble the player or alter any of its parts since you may be exposed to laser rays and dangerous voltages.

CQ-C5400/C5300N
MP3 WMA CD Player/Receiver with CD Changer Control

CQ-C5100N
CD Player/Receiver with CD Changer Control

Features

MP3/WMA Playback from CD-R/RW (Only for CQ-C5400/C5300N)
You can play your MP3/WMA (Windows Media Audio) files as well as regular CDs. With up to 10 to 12 times* the capacity of a conventional CD, a single MP3/WMA-encoded disc can keep you entertained throughout your entire journey.
*Depending on bit rate

SQ7 (7 bands Sound Quality)
SQ is a function that can call up various sound types at the touch of button in accordance with your listening music type.
For SQ7, you can also make fine adjustments for SQ presetting, P2-P6, according to your taste.

HPF (High Pass Filter)/LPF (Low Pass Filter)
Genuine subwoofer system achieved thanks to HPF (High Pass Filter) and LPF (Low Pass Filter)

Electronic Switch Front Panel
The front panel opens and closes automatically by pressing a button once.

CD Changer Control
You can connect the optional CD changer unit. For details, refer to the operating instructions on the CD changer unit.
- 2 CD changers (option) can be controlled with this unit. To connect 2 CD changers to it, the dual CD changer selector CA-CD55EN (option) is necessary.

Large-sized volume control
An large-sized rotary volume control that looks like one belonging to a Hi-Fi audio system is featured.

Note:
- This operating instruction manual applies to the following models. The differences among these models are mentioned below.
- All illustrations represent model CQ-C5400N unless otherwise specified.

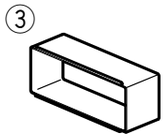
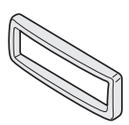
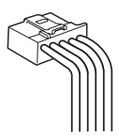
Features \ Model	CQ-C5400N	CQ-C5300N	CQ-C5100N
Available Audio Format*	CD-DA/MP3/WMA	CD-DA/MP3/WMA	CD-DA
Body/Trim Plate Colour	Coating Silver	Plating Black	Plating Black
CD-text	Supported	Supported	Not supported
Subwoofer output	Supported (5 V)	Supported (2.5 V)	Not supported
AUX	Supported	Not supported	Not supported
Remote Control Unit	Supplied	Option	Option

*Available Discs (➡ Page 18)

Contents

Precautions 2
Features 3
Contents 3
Accessories 4
Remote Controls 5
General 6
Radio 10
Radio Data System (RDS) 12
CD and MP3/WMA 18
CD Player 19
MP3/WMA Player 20
CD Changer Control 24
Audio Setting 26
Function Setting 30
Anti-Theft System 36
Fuse 37
Maintenance 37
Notes on Discs 37
Troubleshooting 38
Specifications 43

Accessories

① **Operating Instructions** (YEFM284146) **Q'ty: 1**	② **Installation Instructions** (YEFM293097) (YEFM293098) **Q'ty: 1**	③  **Mounting Collar** (YEFX0216165) **Q'ty: 1**	④  **Trim Plate** CQ-C5400N : Coating Silver (YEFC05606) **Q'ty: 1** CQ-C5300/C5100N : Plating Black (YEFC05608) **Q'ty: 1**
⑤  **Power Connector** (YEAJ02872) **Q'ty: 1**	⑥ **ISO Antenna Adapter** **Lock Cancel Plate** **Mounting Bolt** (YEP0FZ3316) **Q'ty: 1 set**	⑦ **Warranty Card** **Q'ty: 1**	
⑧ **Removable Face Plate Case** (YEFA131839) **Q'ty: 1**	⑨ **Remote Control** CQ-C5400N (YEFX9992663) **Q'ty: 1**	⑩ **Lithium Battery <CR2025>** CQ-C5400N (CR2025/1F) **Q'ty: 1**	

Note:

- The number in parenthesis underneath each accessory part name is the part number for maintenance and service.
- Accessories and their parts numbers are subject to modification without prior notice due to improvements.
- Mounting Collar ③ and Trim Plate ④ are mounted on the main unit at shipment.

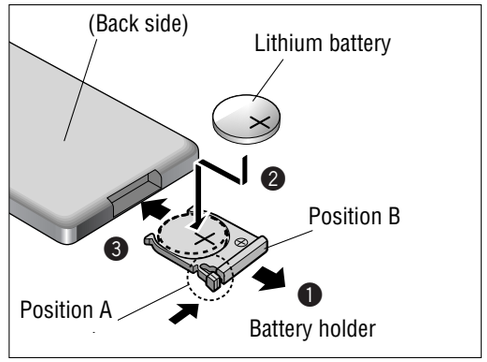
Remote Controls

Remote Control Preparation (Only for CQ-C5400N)

Note:

- **Remote Control Units for CQ-C5300/C5100N are options.**

Battery Installation



❶ Remove the battery holder.
Pull the holder out at position B while pushing position A as indicated.
❷ Install the battery on the battery holder.
Place the battery in the holder with its (+) side upwards as shown.
❸ Insert the battery holder.
Push in the battery holder back into its original position.

Battery Notes

Remove and dispose of an old battery immediately.
Battery Information:

- Battery Type: Panasonic lithium battery (CR2025) (Included)
- Battery Life: Approximately 6 months under normal use (at room temperature)

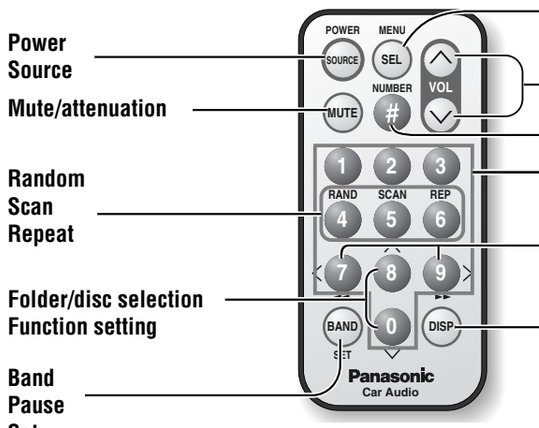
Caution:

- Improper use of batteries may cause overheating, an explosion or ignition, resulting in injury or a fire.

- Do not disassemble or short the battery. Do not throw a battery into a fire.
- Keep batteries away from children to avoid the risk of accidents.
- Follow local regulations when disposing of batteries.

Remote Controls (Only for CQ-C5400N)

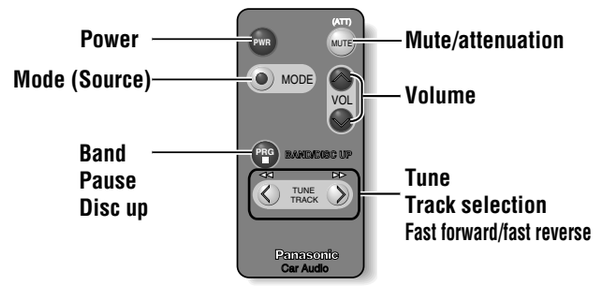
- This instruction manual explains operations for use with the buttons on the main unit. (Different operations excluded)



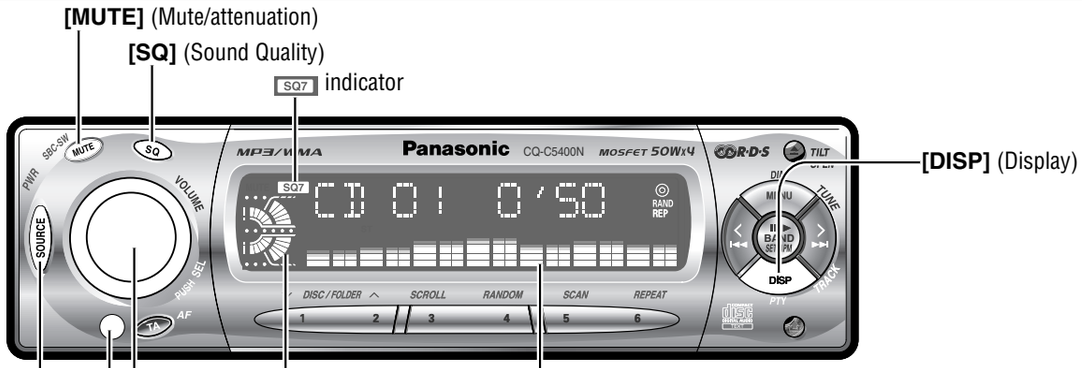
Note:

- Remote Control Units for CQ-C5300/C5100N are options (CA-RC61EX).
- The optional remote control is available from your local dealer. (CA-RC61EX)

(CA-RC61EX)



General



Power

Turn your car's ignition key to the ACC or ON position.

ON: Press **[SOURCE] (PWR)**.

WELCOME

OFF: Press and hold **[SOURCE] (PWR)** until you hear a beep (about 1 second), then release it.

Note:

- When the ignition switch is turned ON, the panel is open to secure their former positions.
- If the security function is set to ON, the security message is shown with a warning alarm. (Default: S-LED ON) (➡ Page 34 about Security Function setting)

ACC Selection

If your car has the ACC position on the ignition switch, set the ACC selection to ON. (Default: ACC OFF)
(➡ Page 34)
ACC ON is attached to the functional descriptions under the ACC selection ON condition.

Demonstration Message

When the power is switched on for the first time, a demonstration message appears on the display.
Press [DISP] to change to regular mode.

HELLO

←←← Scrolling....

Note:

- To display the message again, press and hold **[SOURCE] (PWR)** for more than 4 seconds when turning power on. ACC ON

Source

Press **[SOURCE]** to change the source.

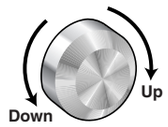
■CQ-C5400/C5300N

Radio
RADIO (➡ Page 10)
↓
CD Player
CD (➡ Page 19)
OR
MP3/WMA Player
MP3/WMA (When a MP3/WMA data disc is in the player. ➡ Page 20)
↓
CD Changer
CHANGER (When an optional CD changer is connected. ➡ Page 24)
↓
AUX (only for CQ-C5400N)
AUX (➡ Installation instructions)

■CQ-C5100N

Radio
RADIO (➡ Page 10)
↓
CD Player
CD (➡ Page 19)
↓
CD Changer
CHANGER (When an optional CD changer is connected. ➡ Page 24)

Volume



VOLUME 18
Default: 18
Setting Range: 0 to 40

Note:

- The volume level can be set independently for each source. (For radio, one volume setting for AM (LW/MW), one volume setting for all FMs)

Mute/Attenuation MUTE

ON : Press **[MUTE]**.
OFF : Press **[MUTE]** again.
You can select mute or attenuation when **[MUTE]** is pressed. (➡ Page 32)

Rear Speakers as Sub-Woofers

(Super Bass Control Sub-Woofer/SBC-SW)

You can utilize the rear speaker connected to the built-in amplifier as Sub-Woofers that output only bass.
(Default: OFF)

Press and hold **[MUTE] (SBC-SW)** for more than 2 seconds to switch SBC-SW on and off.

Note:

- When ON has been selected, the settings resulting from the adjustments performed at the subwoofer level and subwoofer low pass filter settings are reflected in the output. (➡ Page 28)
- Depending on the speakers used and the type of music played, it may not be possible to achieve a satisfactory effect.

SQ (Sound Quality)

SQ is a function that can call up various sound types at the touch of button in accordance with your listening music type. For SQ7, you can also make fine adjustments for SQ presetting, P2-P6, according to your taste. (➡ Page 26)

Press **[SQ]** to select a sound types as follows.
SQ7 lights. (except SQ-FLAT)

Preset number

SQ-FLAT P1 (Default)
↓
(Flat frequency response does not emphasize.)
SQ-ROCK P2
↓
(Sharp and dynamic sound. Powerful deep bass and turgescent treble.)
SQ-POP P3
↓
(Prevention of excessive equalizing and capability to cover wide variety of music. Listener-friendly and crisp sound.)
SQ-VOCAL P4
↓
(Highlighted vocals that are apt to be overwhelmed by instrumental sound.)
SQ-JAZZ P5
↓
(Sound with emphasis on sharpness of high-hat and echo of saxophone. Jazz-specific deep sound.)
SQ-CLUB P6
↓
(Reproduction of realism being in a club.)

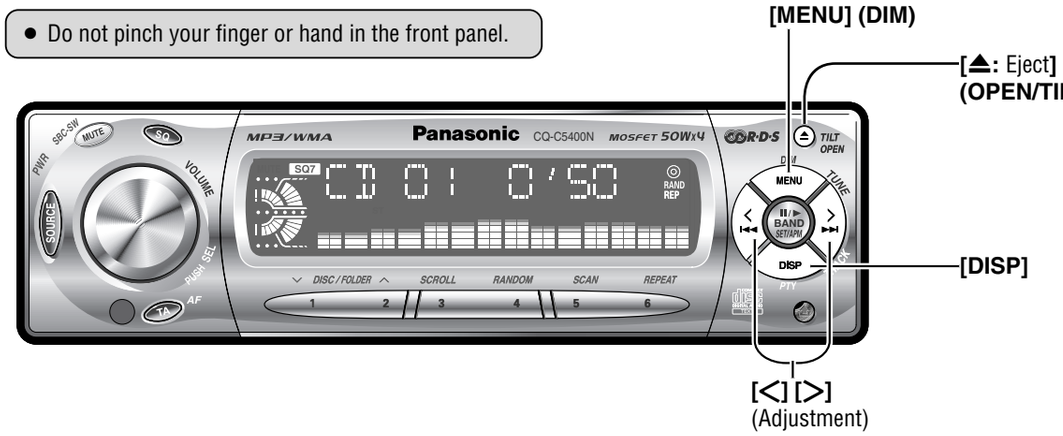
Press **[DISP]** to return to the regular mode.

Note:

- After pressing **[SQ]** on the main unit, you can also select a sound type by pressing the preset buttons **[1]**-**[6]**.
- Setting of SQ, bass/treble and volume are influenced one another. If the influence mentioned above causes distortion to the audio signal, readjust bass/treble or volume. (➡ Page 26)

General (continued)

- Do not pinch your finger or hand in the front panel.



Open the Front Panel

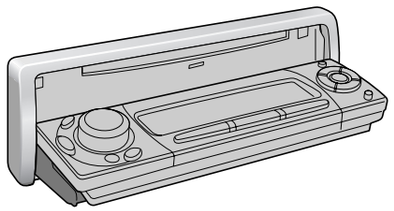
Press **[▲: Eject] (OPEN)**.

Note:

- The monitor position is automatically closed after warning alarm sounds if no operation is performed for about 20 seconds.
- When a disc is already loaded, the disc will be ejected after the front panel fully opens.
  (Disc Eject ➡ Page 18)

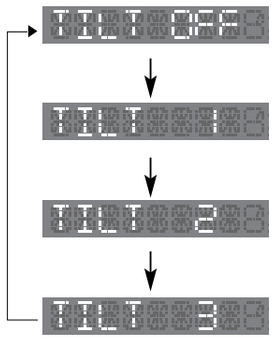
Close the Front Panel

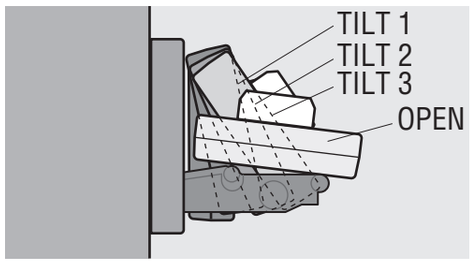
Press **[▲: Eject] (OPEN)**.



Panel Angle (Tilt)

Press and hold **[▲] (TILT)** until you hear a beep (about 1 second) from the speaker output, then release it.
Set it to the position at which it is easy to read what is on the display. Each time the above operation is repeated, the panel angle changes in the sequence shown below.



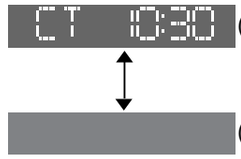


Note:

- The positions specified at “Panel Angle (Tilt)” are memorized even after the following operations.
  - Open/close
  - Power on/off

Clock Display

When the power is set to OFF and ACC is set to ON, press **[DISP]**.



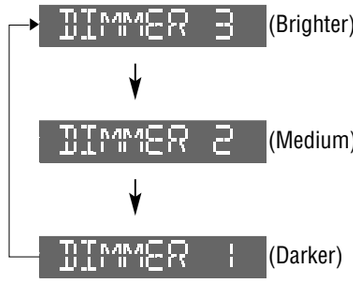
(Clock time) (Default)

(Display off)

When the power is set to ON, refer to the description for each source mode.

Dimmer

Press and hold **[MENU] (DIM)** for more than 2 seconds to change dimmer level setting as follows.



(Brighter) (Default)

(Medium)

(Darker)

Clock Setting

The 24-hour system is used for the clock.

Note:

- Adjust the clock when “NO CT” appears on the screen.

Select the radio **AM (LW/MW) mode**. (➡ Page 10)

Press and hold **[DISP]** for more than 2 seconds.

Adjust the hour.
[>]: put forward hour.
[<]: put back hour.

Press **[DISP]**.

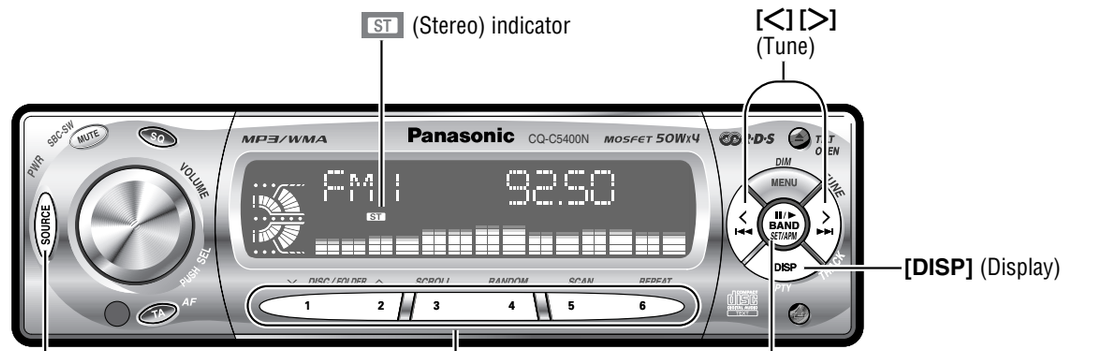
Adjust the minute.
[>]: put forward minute.
[<]: put back minute.

Press **[DISP]**.

Note:

- When a broadcast of FM Radio Data System is received, the clock is put right automatically by the Clock Time service. (➡ Page 12)

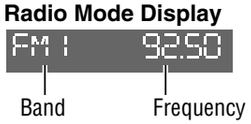
Radio



1 Radio Mode

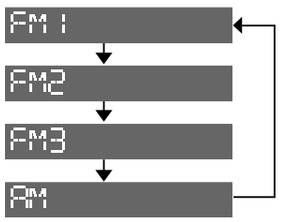
Press **[SOURCE]** to select the radio mode.

Radio Mode Display



2 Band

Press **[BAND]**.



3 Tuning

[>]: Higher frequency
[<]: Lower frequency
Press and hold **[>]** or **[<]** for more than 0.5 seconds, then release. Seeking will start.

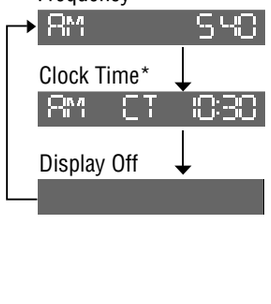
Note:

- For tuning in on only stations whose receiving conditions are good in the seeking mode, set LOCAL to ON. (➡ Page 30)
- For reducing noise when a receiving FM stereo wave is weak, set FM MONO to ON. (➡ Page 30)

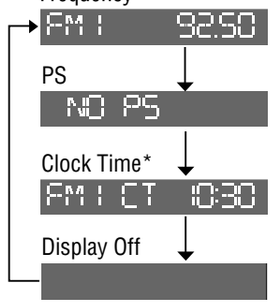
Display Change

Press **[DISP]** (Display) to change the display as follows.

■AM (LW/MW)



■FM (non RDS)



*Adjust the clock when “NO CT” appears on the screen. (➡ Page 9 about Clock setting)

Station Preset

Up to 6 stations can be stored in each of the FM1, FM2, FM3 and AM (LW/MW) band selections.

Caution:

- To ensure safety, never attempt to preset stations while you are driving.

Auto Preset Memory (APM)

Automatically save stations with good reception in the preset memory.

① Select a band. (➡ Previous page)
② Press and hold **[BAND]** (**APM:** Auto Preset Memory) for more than 2 seconds.
The 6 stations with good reception will be automatically saved in the memory under preset number **1** to **6**.
Once set, the preset stations are sequentially scanned for 5 seconds each. (scanning)

Note:

- To stop the scanning, press one of the buttons from **[1]** to **[6]**.
- Only RDS stations will be saved at default setting (AF ON). **To select non RDS stations too, set AF OFF.** (➡ Page 13)

Manual Preset Memory

Manually save a station in preset memory.

① Select a band and frequency. (➡ Previous page)
② Press and hold one of the preset buttons from **[1]** to **[6]** until the display blinks once.

Note:

- New stations overwrite existing saved stations after following this procedure.

Preset Station Calling

① Select a band. (➡ Previous page)
② Press one of the preset button from **[1]** to **[6]**.

Radio Data System (RDS)

RDS Basics

Some FM stations are broadcasting added data compatible with RDS. This radio set offers convenient functions using such data.
RDS service availability varies with areas. Please understand if RDS service is not available in your area, the following service is not available, either. This chapter explains the summary and operation regarding RDS.
The following functions are available when receiving RDS stations.

Program Service Name (PS) Display

The name of station is displayed.

Alternative Frequency (AF)

When reception is poor, an RDS station broadcasting the same program is tuned in automatically.

Traffic Program (TP)

Some RDS FM stations periodically provide traffic announcement.
The station which broadcast the traffic announcement is called Traffic Program (TP).

Traffic Announcement (TA)

Radio announcements on traffic conditions.

Clock Time (CT) Service

When receiving an RDS station, the CT service automatically adjusts the time.
“NO CT” is displayed in areas where CT service is not available. (➡ Page 9 for Clock Setting)

Program Type (PTY) Display

RDS FM stations provide a program type identification signal.
Example: news, rock, classical music, etc. (➡ Page 15)

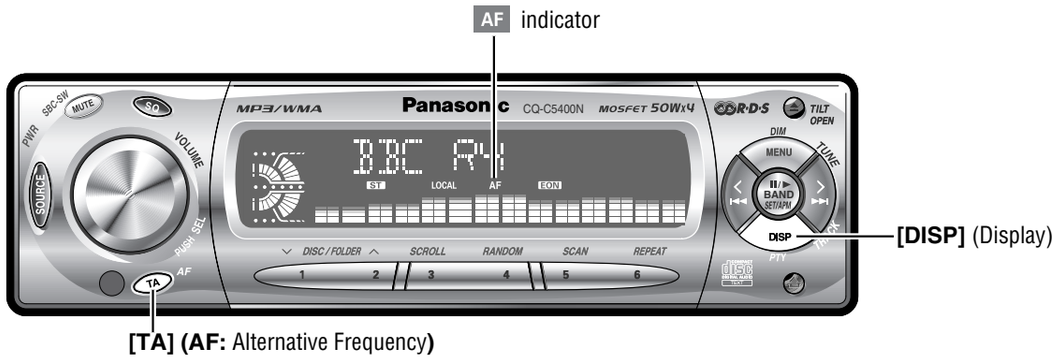
Program Identification (PI)

Each program has its own number. This may be used to search for another frequency on which the same program is broadcast.

Region (REG)

Each region has its own number. This may be used to identify the region where the station you are now listening to is located.

Alternative Frequency (AF)

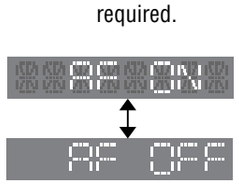


Alternative Frequency (AF) Mode AF

Press and hold **[TA] (AF)** for more than 2 seconds to switch AF on and off.

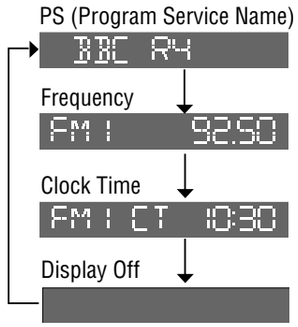
AF ON : AF, Best Station Research and PI seek function are active.

AF OFF : When the AF network of an RDS station is not required.



Display Change

Press **[DISP]** (Display) to change the display as follows.



Preset Memory (AF ON Setting)

Preset Station Calling (Best Station Research)
AF self-tuning allows you to select a station with good reception from the same network when the preset tuning is activated.

For Poor Reception (PI Seek)

If reception becomes poor when tuning in a preset station, press the same preset number button. The same station with better reception will be searched for.
Press the same preset number button again to cancel.

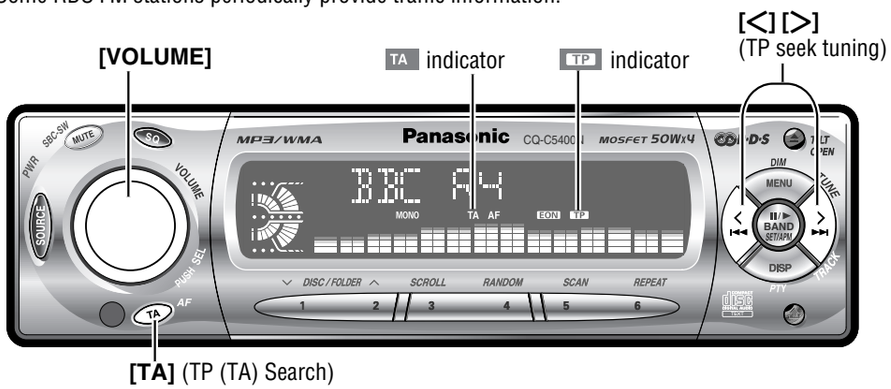
Note:

- For PI Seek, cancel the TA mode first, then execute PI Seek.

Radio Data System (RDS) (continued)

Traffic Announcement (TA)

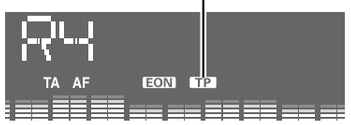
Some RDS FM stations periodically provide traffic information.



TP (TA) Search TA (Default: OFF)

While the unit is receiving a non-TP station or TP station with poor reception, the unit will seek a TP station with good reception by pressing **[TA]** (TA mode) during reception of an FM station. When the TP station received begins a traffic announcement, you can hear it from the unit even if in the other mode (TA standby or CD or MP3/WMA) .

TP Indicator
lights up during reception of TP station.



TA Standby Mode

Being set to TA on in another mode, the unit will be automatically switched to the radio mode and make a traffic announcement when it begins. The traffic announcement having finished, the unit will return to the previous mode.

To listen to only traffic announcements

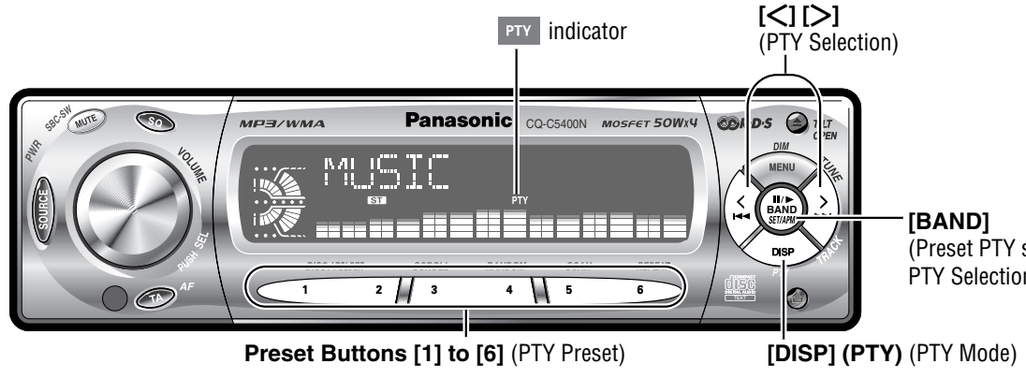
While listening to an FM station which is not currently broadcasting traffic announcement, turn the **[VOLUME]** to the counterclockwise to set the volume to 0. The traffic announcement will be output at the TA volume level.

Other TA functions

TA Volume Set: Traffic announcements are broadcast at the TA volume level.
Press and hold **[VOLUME] (SEL)** for more than 2 seconds while receiving an FM band, the sound volume at that moment is saved as the TA volume.
TP Seek Tuning: When TA ON is selected, only TP station will be searched.
Press and hold **[<]** or **[>]** for more than 0.5 seconds, then release. Seeking will start.
TP Auto Preset Memory: When TA ON is selected, only TP station will be memorized automatically. (➡ Page 11 for auto preset memory)
TP Auto Search: When reception of a TP station becomes poor, TP Auto Search will automatically search for a TP station with better reception.

Program Type (PTY) Reception

RDS FM stations provide a program type identification signal. (Example: news, rock, classical music, etc.)



Program Type (PTY) Mode PTY

Press and hold **[DISP] (PTY)** for more than 2 seconds to switch the PTY display mode on and off.
The PTY function described below becomes enabled after selecting to the PTY mode.

PTY Selection

① Press **[>]** to change the program type as shown below. (**[<]**: opposite direction)

SPEECH	MUSIC	NEWS	AFFAIRS
INFO	SPORT	EDUCATE	DRAMA
CULTURE	SCIENCE	VARIED	POP M
ROCK M	EASY M	LIGHT M	CLASSICS
OTHER M	WEATHER	FINANCE	CHILDREN
SOCIAL	RELIGION	PHONE IN	TRAVEL
LEISURE	JAZZ	COUNTRY	NATION M
OLDIES	FOLK M	DOCUMENT	

② Select the desired program type and press **[BAND]**. Search will start to tune in to a station broadcasting the selected program type.

Press **[BAND]** again to cancel.

Note:
- When there is no corresponding program type station, “NONE” is displayed for 2 seconds.

PTY Preset

PTY Preset Call

Program types are stored in memory under preset buttons from **[1]** to **[6]** as shown in the tables on the next page.
To tune in the desired program type, press any of preset buttons from **[1]** to **[6].**

Preset PTY Search

① Select a program type by pressing the preset button. The preset program type appears on the display for 5 seconds.
Example: Press preset button **[1]**.

② Press the same preset button again (or press **[BAND]**) to tune in the desired program type station.
Example: Press preset button **[1]** again.
Press **[BAND]** again to cancel.

Note:
- When there is no corresponding program type station, “NONE” is displayed for 2 seconds.

PTY Preset Change

① Select a program type by using PTY Selection or pressing PTY Preset buttons.
② Press and hold one of the buttons from **[1]** to **[6]** for more than 2 seconds.
Example: Press and hold preset button **[2]** for more than 2 seconds.

Radio Data System (RDS) (continued)

PTY Preset (Default)

Preset No.	Program Type	When PTY search is activated, these program type is receivable.
1	NEWS	NEWS
2	SPEECH	AFFAIRS, INFO, EDUCATE, DRAMA, CULTURE, SCIENCE, VARIED, WEATHER, FINANCE, CHILDREN, SOCIAL, RELIGION, PHONE IN, TRAVEL, LEISURE, DOCUMENT
3	SPORT	SPORT
4	POP M	POP M
5	CLASSICS	CLASSICS
6	MUSIC	ROCK M, EASY M, LIGHT M, OTHER M, JAZZ, COUNTRY, NATION M, OLDIES, FOLK M

Use to note changes in preset stations.

Preset No.	FM1	FM2	FM3
1			
2			
3			
4			
5			
6			

Other PTY functions

PTY Language Selection: The language displayed on the screen is selectable. (English or Swedish) (➡ Page 32)

Other RDS functions

Enhanced Other Network (EON)

EON

When EON data is received, the EON indicator lights and the TA and AF functions are expanded as follows.
TA: Traffic information from the current and other network stations can be received.
AF: The frequency list of preset RDS stations is updated by EON data.

EON enables the radio to make fuller use of RDS information. It constantly updates the AF list of preset stations, including the one that is currently tuned in to. For example, if you preset a station far from home, you will later be able to receive the same station at an alternative frequency, or any other station serving the same program. EON also keeps track of locally available TP stations for quick reception.

Emergency Announcement Reception

When an emergency announcement is broadcast, the unit is automatically switched to receiving that broadcast. (Even when in CD mode, CD changer mode, MP3/WMA mode (only for CQ-C5400/C5300N).) During receiving the emergency announcement, “ALARM” appears on the display.

Note:

- Emergency announcements are broadcast at the TA volume level. (➡ Page 14)

CD and MP3/WMA

Caution:
- **This unit does not support 8 cm discs.**
- Do not use irregularly shaped discs.
- Do not use discs that have a seal or label attached.
- To avoid damaging the front panel, do not push it down or place objects on it while it is open.
- Do not pinch your finger or hand in the front panel.
- Do not insert foreign objects into the disc slot.

Note:
- Refer to the section on “Notes on MP3/WMA” (➡ Page 22) and “Notes on CD-Rs/RWs” (➡ Page 37).
- The power will be turned on automatically when a disc is loaded. ACC ON (➡ Page 34)
- A disc which has both CD-DA data and MP3/WMA data on it may not be reproduced normally (For example, it may be reproduced without sound).

Available Discs

CD-DA

CD-R CD-RW CD-TEXT

(CD-TEXT is only for CQ-C5400/C5300N)

MP3/WMA (Only for CQ-C5400/C5300N)

MP3 CD-R MP3 CD-RW MP3 CD-ROM

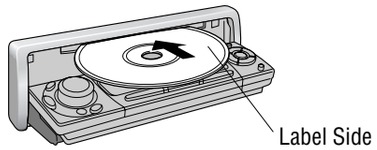
WMA CD-R WMA CD-RW WMA CD-ROM

Disc Insert

① Press **[▲: Eject] (OPEN)**.
When a disc is already loaded, the disc will be ejected after the front panel fully opens.

[▲: Eject] (OPEN)

② Insert a disc.



Label Side

Note:
- It may take some time to start playing.
- Playback will start automatically after recognizing the data of the loading disc.

■CQ-C5400/C5300N **■CQ-C5100N**

(➡ Page 20 about MP3/WMA Player)

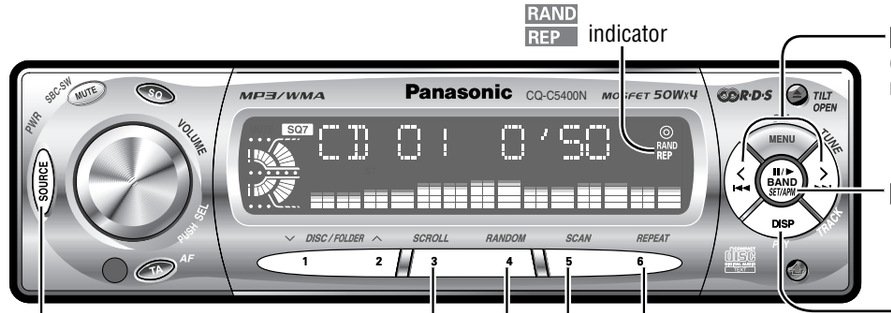
Disc Eject

① Press **[▲: Eject] (OPEN)**.
The disc will be ejected after the front panel fully opens.
② Take the disc.
③ Press **[▲: Eject] (OPEN)** to close.

Note:
- The monitor is automatically closed after warning alarm sounds if no operation is performed for about 20 seconds.
- When a disc is already loaded, the disc will be ejected after the front panel fully opens.

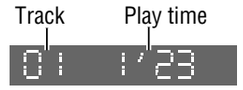
CD Player

- **Do not watch the scroll display while driving. (Only for CQ-C5400/C5300N)**



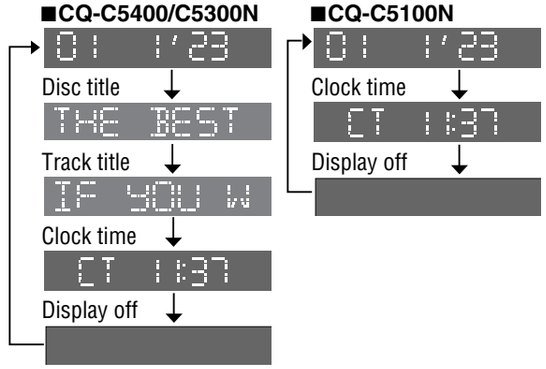
When CD is in the player

Press **[SOURCE]** to select the CD player mode and playback starts.



Display Change

Press **[DISP]** (Display).



Note:
- “NO TEXT” is displayed when there is no information on the disc.
- Press **[3] (SCROLL)** to have an another circle scroll while a title is displayed. (Only for CQ-C5400/C5300N)
- If the number of displayed characters is 8 or less, the characters do not scroll.

Track Selection

[►►|]: Next track
[|◄◄]: Beginning of the current track
For the previous track, press twice.

Fast Forward/Fast Reverse

Press and hold
[►►|] (►►): Fast Forward
[|◄◄] (◄◄): Fast Reverse
Release to resume normal playback.

Pause (II / ►)

Press **[BAND] (II /►)**.
Press **[BAND] (II /►)** again to cancel.

Random Play RAND

All the available tracks are played in a random sequence.
Press **[4] (RANDOM)**.
RAND lights.
Press **[4] (RANDOM)** again to cancel.

Scan Play

The first 10 seconds of each track is played in sequence.
Press **[5] (SCAN)**.

Press **[5] (SCAN)** again to cancel.

Repeat Play REP

The current track is repeated.
Press **[6] (REPEAT)**.
REP lights.
Press **[6] (REPEAT)** again to cancel.

Direct Track Selection

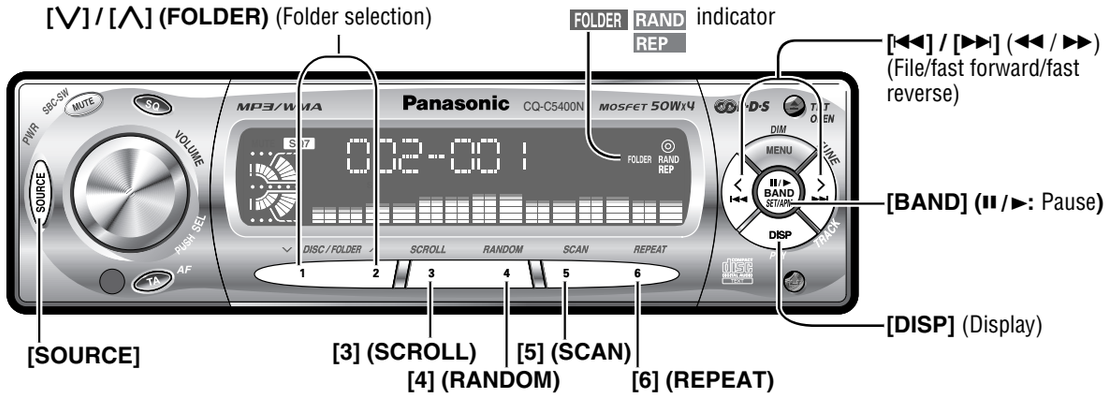
(Only for remote control of CQ-C5400N)
Example: Track number 10

① Press **[#]**.
② Press **[1] [0]**.
③ Press **[BAND]** (Set).

Note:
- To suspend direct track selection, press **[DISP]**.
- Random, Scan and Repeat play are cancelled once **[#]** is pressed.

MP3/WMA Player (Only for CQ-C5400/C5300N)

- CQ-C5100N can not play MP3/WMA files.
- **Do not watch the scroll display while driving.**

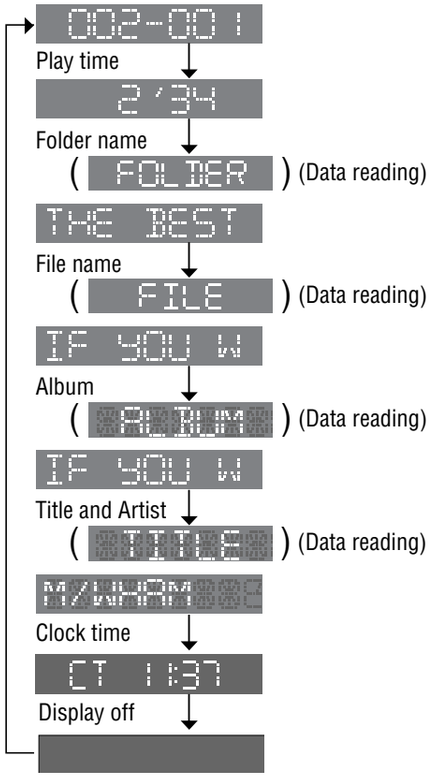


When CD is in the player

Press **[SOURCE]** to select the MP3/WMA player mode and playback starts.

Display Change

Press **[DISP]** (Display).



Note:

- "NO TEXT" is displayed when there is no information on the disc.
- Press **[3] (SCROLL)** to have an another circle scroll while a title is displayed.
- If the number of displayed characters is 8 or less, the characters do not scroll.

Folder Selection

[∧]: Next folder
[∨]: Previous folder

File Selection

[⏭]: Next file
[⏮]: Beginning of the current file
For the previous file, press twice.

Fast Forward/Fast Reverse

Press and hold
[⏭] (▶▶): Fast forward
[⏮] (◀◀): Fast reverse
Release to resume normal playback.

Pause (⏸ / ►)

Press **[BAND] (⏸/►)**.
Press **[BAND] (⏸/►)** again to cancel.

Random Play RAND

All the available files are played in a random sequence.

Press **[4] (RANDOM)**.
RAND lights.
Press **[4] (RANDOM)** again to cancel.

Folder Random Play RAND

All the files on the current folder are played in a random sequence.

Press and hold **[4] (RANDOM)** for more than 2 seconds.
FOLDER RAND lights.
Press and hold **[4] (RANDOM)** again for more than 2 seconds to cancel.

Scan Play

The first 10 seconds of each file is played in sequence.

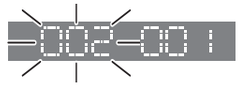
Press **[5] (SCAN)**.

Press **[5] (SCAN)** again to cancel.

Folder Scan Play

From the next folder, the first 10 seconds of the first file on each folder is played in sequence.

Press and hold **[5] (SCAN)** for more than 2 seconds.



Press and hold **[5] (SCAN)** again for more than 2 seconds to cancel.

Repeat Play REP

The current file is repeated.

Press **[6] (REPEAT)**.
REP lights.
Press **[6] (REPEAT)** again to cancel.

Folder Repeat Play REP

The current folder is repeated.

Press and hold **[6] (REPEAT)** for more than 2 seconds.
FOLDER REP lights.
Press and hold **[6] (REPEAT)** again for more than 2 seconds to cancel.

Direct Folder Selection

(Only for remote control of CQ-C5400N)
Example: Folder number 10

① Press **[#]** twice.
② Press **[1] [0]**.
③ Press **[BAND]** (Set).

Note:

- To suspend direct track selection, press **[DISP]**.
- If there is no file in the specified folder, error message "- E4 -" appears. (➡ Page 42)
- Random, Scan and Repeat play are cancelled once **[#]** is pressed.

Direct File Selection

(Only for remote control of CQ-C5400N)
Example: File number 10

① Press **[#]**.
② Press **[1] [0]**.
③ Press **[BAND]** (Set).

MP3/WMA Player (Only for CQ-C5400/C5300N) (continued)

Notes on MP3/WMA

What is MP3/WMA?

MP3 (MPEG Audio Layer-3) and WMA (Windows Media™ Audio) are the compression formats of digital audio. The former is developed by MPEG (Motion Picture Experts Group), and the latter is developed by Microsoft Corporation. Using these compression formats, you can record the contents of about 10 music CDs on a single CD media (This figures refer to data recorded on a 650 MB CD-R or CD-RW at a fixed bit rate of 128 kbps and a sampling frequency of 44.1 kHz).

Note:

- MP3/WMA encoding and writing software is not supplied with this unit.
- CD writing software is not supplied with this unit.

Points to remember when making MP3/WMA files

Common

- High bit rate and high sampling frequency are recommended for high quality sounds.
- Selecting VBR (Variable Bit Rate) is not recommended because playing time is not displayed properly and sound may be skipped.
- The playback sound quality differs depending on the encoding circumstances. For details, refer to the user manual of your own encoding software and writing software.

MP3

- It is recommended to set the bit rate to “128 kbps or more” and “fixed”.

WMA

- It is recommended to set the bit rate to “64 kbps or more” and “fixed”.
- Do not set the copy protect attribute on the WMA file to enable this unit to play back.
- WMA Version 9 is supported. However, the new functions in Version 9 (WMA pro, Loss-less, and the combination of 64 kbps and 48 kHz) are excluded.

Caution: Never assign the “.mp3”, or “.wma” file name extension to a file that is not in the MP3/WMA format. This may not only produce noise from the speaker damage, but also damage your hearing.

Display Information

Displayed items

CD-TEXT
- Disc title
- Track title

MP3/WMA
- Folder name
- File name

MP3 (ID3 tag)
- Album
- Title and Artist

WMA (WMA tag)
- Album
- Title and Artist

Displayable characters

- Displayable length of file name/folder name: within 64 characters
- Name files and folders in accordance with the standard of each file system. Refer to the instructions of writing software for details.
- ASCII character set and special characters in each language can be displayed.

ASCII character set

A to Z, a to z, digits 0 to 9, and the following symbols:
(space) ! ” # $ % & ’ ( ) * + , - . / : ; < = > ? @ [\ ] ^ _ ` { | } ~

Special characters

À Á Â Ã Å à á â ã å
Ä ä
Ò Ó Ô Õ Ö ò ó ô õ ö
Ù Ú Û Ü ù ú û ü

Note:

- With some software in which MP3/WMA format files have been encoded, the character information may not be displayed properly.
- Undisplayable characters and symbols will be converted into an asterisk ( ).

Recording MP3/WMA files on a CD-media

- **You are recommended to minimize the chances of making a disc that contains both CD-DA files and MP3/WMA files.**
- **If CD-DA files are on the same disc as MP3 or WMA files, the songs may not play in the intended order, or some songs may not play at all.**
- **When storing MP3 data and WMA data on the same disc, use different folders for each data.**
- Do not record files other than MP3/WMA files and unnecessary folder on a disc.
- The name of MP3/WMA file should be added by rules as shown in the following descriptions and also comply with the rules of each file system.
- You may encounter trouble in playing MP3/WMA files or displaying the information of MP3/WMA files recorded with certain writing software or CD recorders.
- The file extension “.mp3” or “.wma” should be assigned to each file depending on the file format.
- This unit does not have the play list function.
- Although Multi-session recording is supported, the use of Disc-at-Once is recommended.

Supported file systems

ISO 9660 Level 1/Level 2, Apple Extension to ISO 9660, Joliet, Romeo

Note:

Apple HFS, UDF 1.50, Mix CD, CD Extra are not supported.

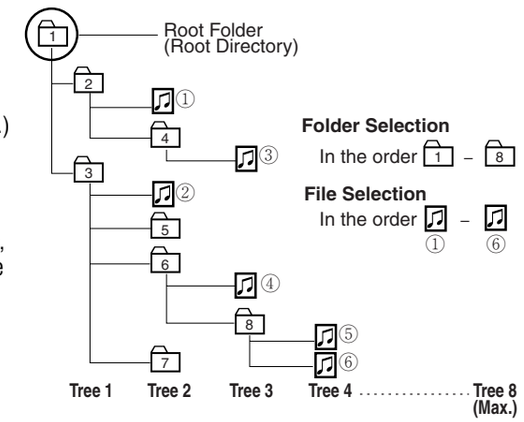
Compression formats (**Recommendation:** “Points to remember when making MP3/WMA files” on the previous page)

Compression method	Bit rate	VBR	Sampling frequency
MPEG 1 audio layer 3 (MP3)	32 k-320 kbps	YES	32, 44.1, 48 kHz
MPEG 2 audio layer 3 (MP3)	8 k-160 kbps	YES	16, 22.05, 24 kHz
Windows Media Audio Ver. 2, 8, 9	64 k-192 kbps	No	32, 44.1, 48 kHz

Folder selection order/file playback order

Maximum number of files/folders
- Maximum number of files: 999
- Maximum number of files in one folder: 255
- Maximum depth of trees: 8
- Maximum number of folders: 255 (Root folder is included.)

Note:
- This unit counts the number of folders irrespective of the presence or absence of MP3/WMA file.
- If the selected folder does not contain any MP3/WMA files, the nearest MP3/WMA files in the order of playback will be played.
- Playback order may be different from other MP3/WMA players even if the same disc is used.
- “ROOT” appears when displaying the root folder name.



Windows Media, and the Windows logo are trademarks, or registered trademarks of Microsoft Corporation in the United States and/or other countries.

Designed for Windows Media™

Copyright

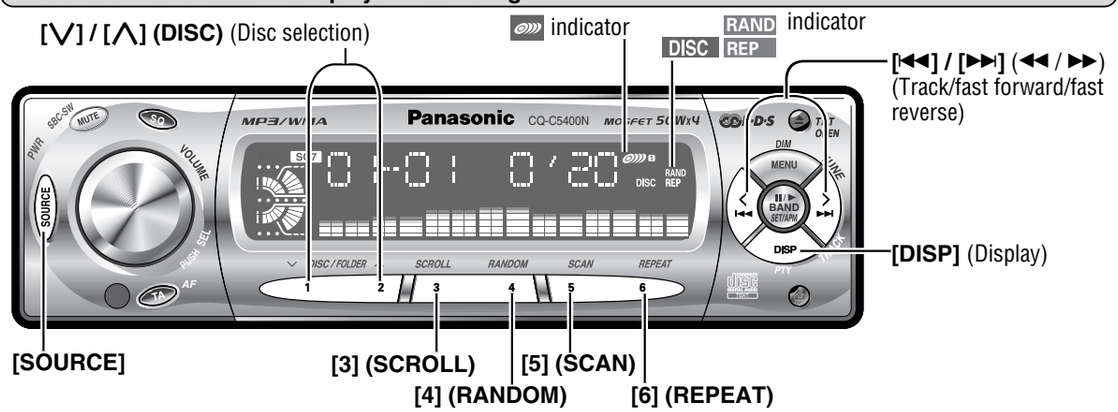
It is prohibited by copyright laws to copy, distribute and deliver copyrighted materials such as music without the approval of copyright holder except enjoying yourself personally.

No warranty

Above description complies with our investigations as of December 2003. It has no warranty for reproducibility and displayability of MP3/WMA.

CD Changer Control

- CD changer functions are designed for optional Panasonic CD changer unit.
- **Do not watch the scroll display while driving.**

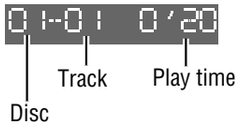


CD Changer Mode

Preparation:

- Connect the CD changer, and load a magazine (CDs).

Press **[SOURCE]** to select the CD changer mode and playback starts.

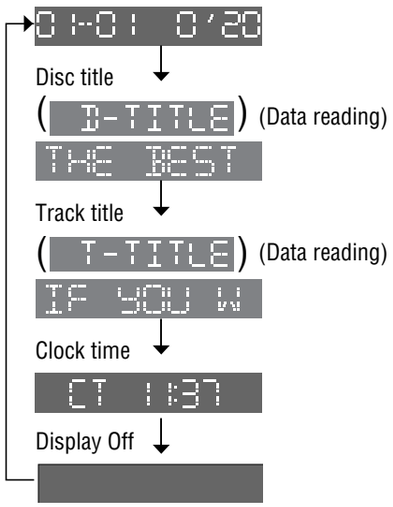


Note:

- Load a magazine with CDs when "NO DISC" is displayed.
- The power will be turned on automatically when a magazine is loaded. ACC ON

Display Change

Press **[DISP]** (Display).



Note:

- "NO TEXT" is displayed when there is no information on the disc.
- Press **[3] (SCROLL)** to have an another circle scroll while a title is displayed.
- If the number of displayed characters is 8 or less, the characters do not scroll.

Disc Selection

[Λ]: Next disc
[V]: Previous disc

Track Selection

[⏭]: Next track
[⏮]: Beginning of the current track
For the previous track, press twice.

Fast Forward/Fast Reverse

Press and hold
[⏭] (▶▶): Fast forward
[⏮] (◀◀): Fast reverse
Release to resume the playback.

CD changer Selection

Preparation:

- Preparation: Use the dual changer selector (CA-CD55EN, option) to connect the 2 CD changers.

Press **[BAND]**.
The selected changer number (either 1 or 2) lights.

Changer number

Note:

- CD text is displayed when the unit is connected to a CD changer capable of recognizing CD text (CX-DP9061EN).
- **Trouble may occur while playing CD-Rs. Refer to the section on "Notes on CD, CD Media (CD-R, CD-RW, CD-ROM)" (➡ Page 37)**
- This unit does not support the following through the CD changer.
  - **CD-RW playback. (except when CX-DP880N is connected)**
  - **MP3/WMA playback.**
- Pausing does not function in the CD changer mode.

Random Play RAND

All available tracks are played in a random sequence.

Press **[4] (RANDOM)**.
RAND lights.
Press **[4] (RANDOM)** again to cancel.

Disc Random Play RAND

All available tracks on the current disc are played in a random sequence.

Press and hold **[4] (RANDOM)** for more than 2 seconds.
DISC RAND lights.
Press and hold **[4] (RANDOM)** again for more than 2 seconds to cancel.

Scan Play

The first 10 seconds of each track is played in sequence.

Press **[5] (SCAN)**.

Press **[5] (SCAN)** again to cancel.

Disc Scan Play

From the next disc, the first 10 seconds of the first track of all the discs is played in sequence.

Press and hold **[5] (SCAN)** for more than 2 seconds.

Press and hold **[5] (SCAN)** again for more than 2 seconds to cancel.

Repeat Play REP

The current track is repeated.

Press **[6] (REPEAT)**.
REP lights.
Press **[6] (REPEAT)** again to cancel.

Disc Repeat Play REP

The current disc is repeated.

Press and hold **[6] (REPEAT)** for more than 2 seconds.
DISC REP lights.
Press and hold **[6] (REPEAT)** again for more than 2 seconds to cancel.

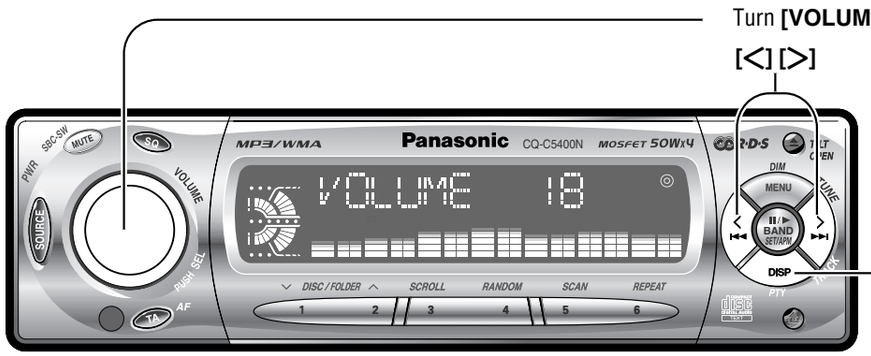
Direct Disc Selection

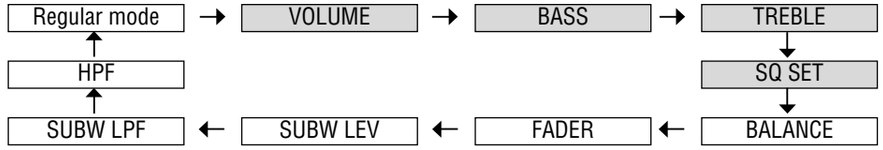
(Only for remote control of CQ-C5400N)
Example: Disc number 10
① Press **[#]**.
② Press **[1] [0]**.
③ Press **[BAND]** (Set).

Note:

- To suspend direct disc selection, press **[DISP]**.
- Random, Scan and Repeat play are cancelled once **[#]** is pressed.

Audio Setting





Note:
- Press **[DISP]** to return to the regular mode.
- If no operation takes place for more than 5 seconds in audio setting (2 seconds in the volume setting, 10 seconds in the SQ), the display returns to regular mode.
- Setting of SQ, bass/treble and volume are influenced one another. If the influence mentioned above causes distortion to the audio signal, readjust bass/treble or volume.

Volume

Default: 18
Setting range: 0 to 40

Press **[VOLUME]** (**SEL**: select) to open the menu.

Turn **[VOLUME]**.
① : Up
② : Down

Bass/Treble

You can adjust the bass and treble sound.
Default: BAS (bass) 0 dB
TRE (treble) 0 dB
Setting range: –12 dB to +12 dB (by 2 dB)

Press **[VOLUME]** (**SEL**: select).

Turn **[VOLUME]**.
① : Increased
② : Decreased

Press **[VOLUME]** (**SEL**: select).

Turn **[VOLUME]**.
① : Increased
② : Decreased

SQ Setting

You can adjust the characteristics of the currently selected sound type (SQ).

Adjustable frequency:
60 Hz, 160 Hz, 400 Hz, 1 kHz, 3 kHz, 6 kHz, 16 kHz
Setting range:
–12 dB to +12 dB (by 2 dB)

■ To return an adjusted SQ to the default setting

①Press **[SQ]**, and select the SQ which is to be returned to the default setting.
②Press and hold **[BAND]** for more than 2 seconds.

Press **[VOLUME]** (**SEL**: select).

The SQ adjustment mode can be established also by pressing **[SQ]** for more than 2 seconds.

1 Press **[>]** or **[<]** to select a frequency.
[>]: Higher frequency
[<]: Lower frequency

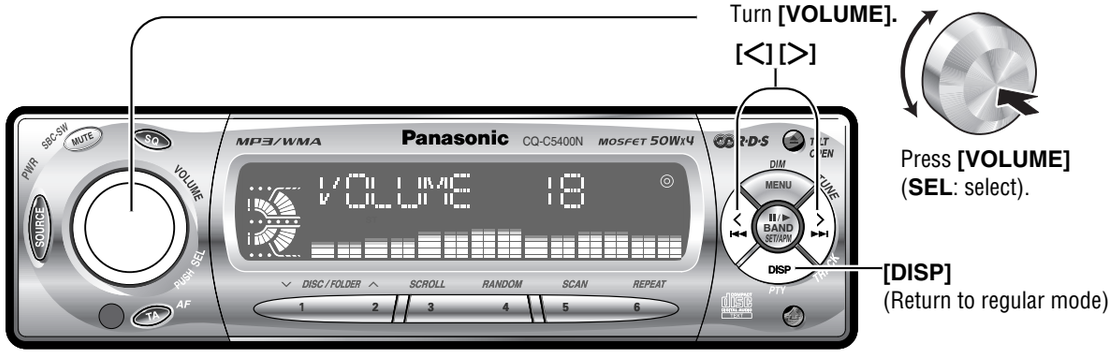
2 Turn **[VOLUME]**.
① : Increased
② : Decreased

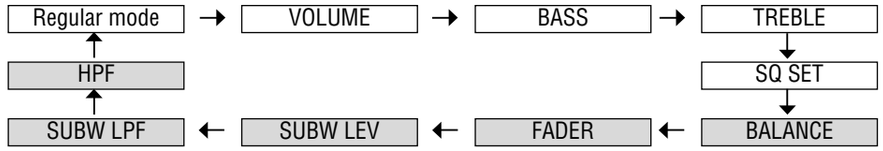
3 Press and hold one of the preset buttons from **[2]** to **[6]** for more than 2 seconds.
- The adjusted SQ is preset in the number of the selected button, and the regular display is restored.

Example: Preset button **[4]**

Note:
- Only buttons **[2]** to **[6]** can be used to preset the adjusted SQ. An adjusted SQ cannot be preset in button **[1]**.
- To call a preset SQ, refer to page 7.
- While the SQ adjustment mode is established, Only adjustments are performed, and even if the adjustment mode is exited without presetting an adjusted effect, what has been set will be reflected as the current SQ until another SQ is selected.
- The call-up screen is unchanged even after adjusting any SQ preset.

Audio Setting (continued)





Note:

- Press **[DISP]** to return to the regular mode.
- If no operation takes place for more than 5 seconds in audio setting (2 seconds in the volume setting, 10 seconds in the SQ), the display returns to regular mode.

Balance/Fader

You can adjust the sound level among the right, left, front and rear speakers.
Default: BAL (balance) CNT (centre)
FAD (fader) CNT (centre)
Setting range: 15 levels each

Press **[VOLUME]** (**SEL**: select).
BALANCE

Turn **[VOLUME]**.
① : Right enhanced
② : Left enhanced

Press **[VOLUME]** (**SEL**: select).
FADER

Turn **[VOLUME]**.
① : Front enhanced
② : Rear enhanced

Subwoofer LEVEL

You can change the subwoofer volume level.
Default: 0
Setting range: MUTE (–∞), – 6 dB to + 6 dB (in 2 dB step)

Press **[VOLUME]** (**SEL**: select).
SUBW LEV

Turn **[VOLUME]**.
① : Up
② : Down

Subwoofer LPF (Low Pass Filter)

Select the upper limit frequency of the sound from subwoofer.
Default: 80 Hz
Setting range: 80 Hz/120 Hz/160 Hz

Press **[VOLUME]** (**SEL**: select).
SUBW LPF

Turn **[VOLUME]**.
① : Increased
② : Decreased

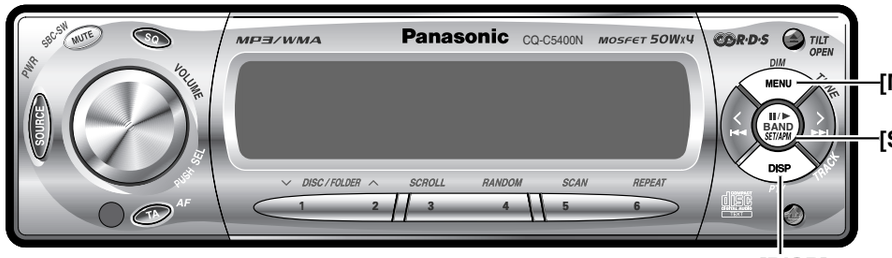
HPF (High Pass Filter)

Select the lower limit frequency of the sound from speakers (except subwoofer).
Default: OFF
Setting range: OFF/90 Hz/135 Hz/180 Hz/225 Hz

Press **[VOLUME]** (**SEL**: select).
HPF

Turn **[VOLUME]**.
① : Increased
② : Decreased

Function Setting



Regular mode → AF SEL (FM Mode) → REGION (FM Mode) → FM MONO (FM Mode) / FM LOCAL (FM Mode) / AM LOCAL (AM Mode) → PTY LANG (RDS Mode) → PATTERN → MUTE KEY → EXT MUTE → SECURITY → ACC SET → Regular mode

Note:
- Press **[DISP]** to return to the regular mode.
- If no operation takes place for more than 10 seconds in function setting, the display returns to regular mode.
- The **[MENU]** button is not operative when “NO DISC” is displayed in the CD mode.

AF Mode (FM mode)

You can select AF1 or AF2.
Default: AF1

Press **[MENU]** to open the menu.

Press **[SET]**.

AF 1 : Low level AF operating sensitivity. (Default)

AF2 : High level AF operating sensitivity.

Region (REG) Mode (FM mode)

Changes the selection range of AF, Best Station Research and PI seek.

Note:
- When REG mode is switched from OFF to ON or vice versa, AF mode turns on automatically.

Press **[MENU]**.

Press **[SET]**.

REG ON : The frequency is changed only for programs within the region.

REG OFF : The frequency is changed also for programs outside the region. (Default)

FM Monaural Reception (FM mode) MONO

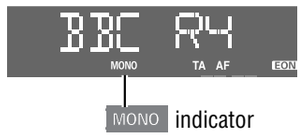
Noise is significantly decreased when weak signals are received from an FM broadcast station.
Default: OFF

Press **[MENU]**.

Press **[SET]**.

MONO ON : MONO ON

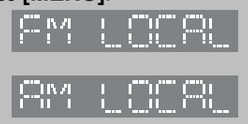
MONO OFF : MONO OFF



Local Tuning (Radio mode) LOCAL

Only stations with good reception are detected in seek tuning.
Default: OFF

Press **[MENU]**.

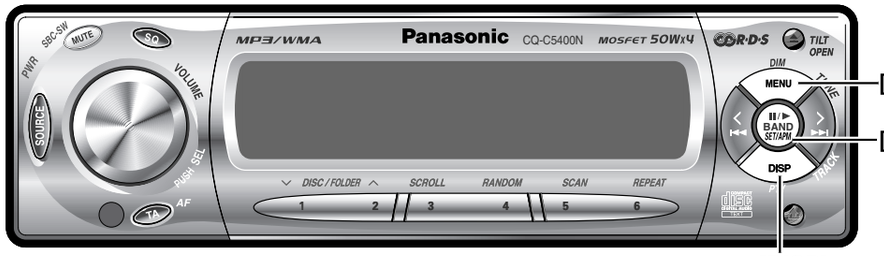


Press **[SET]**.

LOC ON : LOCAL ON

LOC OFF : LOCAL OFF

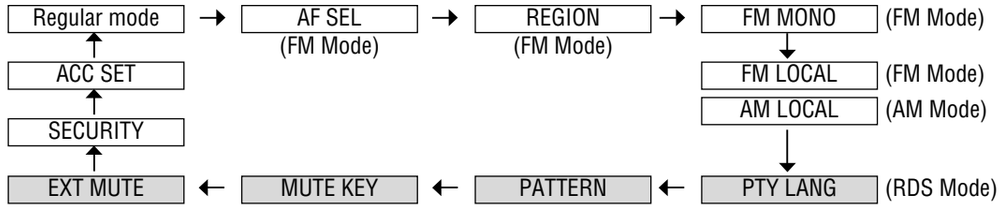
Function Setting (continued)



[MENU]

[SET]

[DISP]
(Return to regular mode)



Note:

- Press **[DISP]** to return to the regular mode.
- If no operation takes place for more than 10 seconds in function setting, the display returns to regular mode.
- The **[MENU]** button is not operative when “NO DISC” is displayed in the CD mode.

PTY Language Selection (RDS mode)

Default: ENGLISH

Press **[MENU]**.
PTY LANG

Press **[SET]**.

ENGLISH : English

SVENSKA : Swedish

Spectrum Analyzer Display Pattern

Default: Pattern 1
Variety: 6 types + OFF

Press **[MENU]**.
PATTERN

Press **[SET]**.

PATT OFF : Off
PATTERN 1 : Pattern 1
PATTERN6 : Pattern 6

Mute/Attenuation

You can select mute or attenuation when **[MUTE]** is pressed. (➡ Page 7)
Default: MUTE

Press **[MENU]**.
MUTE KEY

Press **[SET]**.

KEY ATT : Decrease 10 steps (Attenuation)

KEY MUTE : No sound (Mute)

External Mute

Allows you to mute the current source while Panasonic navigation system provides voice guidance or car telephone conversation is in progress.
Default: 0
Setting range: 0 to 2 + OFF

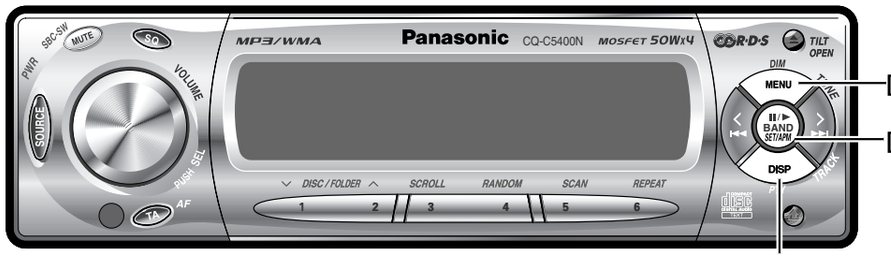
Press **[MENU]**.
EXT MUTE

Press **[SET]**.

MUTE LV0 : No sound
MUTE LV1 : Decrease 15 steps
MUTE LV2 : Decrease 10 steps
MUTE OFF : Unchanged

(When External Mute is activated.)
MUTING 0

Function Setting (continued)



Regular mode → AF SEL (FM Mode) → REGION (FM Mode) → FM MONO (FM Mode) / FM LOCAL (FM Mode) / AM LOCAL (AM Mode) → PTY LANG (RDS Mode) → PATTERN → MUTE KEY → EXT MUTE → SECURITY → ACC SET → Regular mode

Note:
- Press **[DISP]** to return to the regular mode.
- If no operation takes place for more than 10 seconds in function setting, the display returns to regular mode.
- The **[MENU]** button is not operative when “NO DISC” is displayed in the CD mode.

Security Function

Allows you to activate the anti-theft function when leaving your car.
Default: ON

Press **[MENU]**.

SECURITY

Press **[SET]**.

SEC ON
Security function is activated.

SEC OFF
Security function is not activated.

Security Function

When the power of this unit is turned OFF...
When the key in the ignition is turned OFF... ACC ON
- Security message will be displayed.
- The panel removal alarm will be active. (➡ Page 36)

When the front panel is removed...
- The security indicator blinks. (➡ Page 36)

Caution:
- Be sure to select OFF when your car has no ACC position in the ignition switch. Failure to do this could cause the battery to go dead.

ACC Selection

Default: OFF

Press **[MENU]**.

ACC SET

Press **[SET]**.

ACC ON
Set to ON **if your car has ACC position.**

ACC OFF
Set to OFF **if your car has no ACC position.**

ACC ON
- The power is turned on when a disc or magazine is inserted while the power is off.
- The Clock Time can be displayed while power is off.
- When the ignition key is turned to OFF, the security message is shown and the panel removal alarm sounds (at Security Function ON setting).

ACC OFF
- When power is turned off, the security message is shown and the panel removal alarm sounds (at Security Function ON setting).

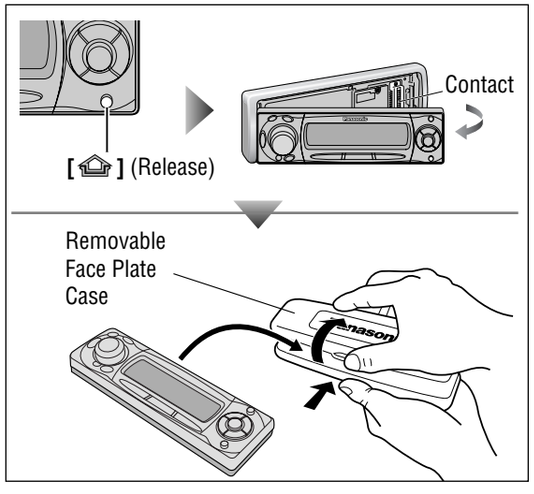
Anti-Theft System

This unit is equipped with a removable face plate. Removing this face plate makes the radio totally inoperable. The security indicator will blink.

Remove the Removable Face Plate

❶ Press **[⏏]** (Release) to remove the removable face plate. (The face plate disengages with a click when it is removed.) The power of the unit will be turned off automatically. (The front panel closes and the unit shuts off automatically when pressing **[⏏]** (Release) on the condition that the front panel is open or tilted.)

❷ Gently press the bottom of the case and open the cover. Place the face plate into the case and take it with you when you leave the car.



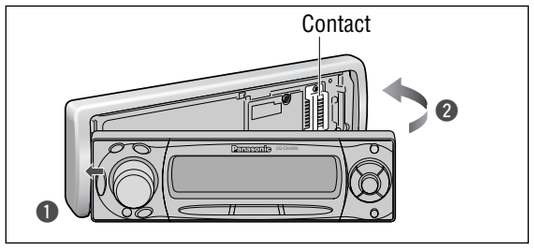
Note:

- Be sure to keep the front panel with the removable face plate case (included) when it has been detached from the main unit.
- Take care not to drop the front panel when it has been detached from the main unit.

Install Removable Face Plate

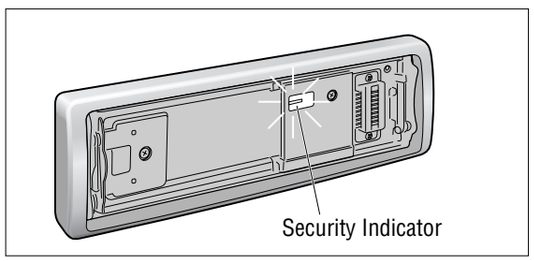
❶ Slide the left side of the removable face plate in place.

❷ Press the right end of removable face plate until “click” is heard.



Security Indicator

The security indicator blinks when the removable face plate is removed from the unit.
This function is activated when the Security Function is ON.
(➡ Page 34)



Panel Removal Alarm

This alarm sounds to warn you not to forget to remove the panel before leaving your car.
This function is activated when the Security Function is ON.
(➡ Page 34)

Caution:

- This face plate is not waterproof. Do not expose it to water or excessive moisture.
- Do not remove the face plate while driving your car.
- Do not place the face plate on the dashboard or nearby areas where the temperature rises to high level.
- Do not touch the contacts on the face plate or on the main unit, since this may result in poor electrical contacts.
- If dirt or other foreign substances get on the contacts, wipe them off with a clean and dry cloth.
- To avoid damaging the front panel, do not push it down or place objects on it while it is open.

Fuse

Use fuses of the same specified rating (15 A). Using different substitutes or fuses with higher ratings, or connecting the unit directly without a fuse, could cause fire or damage to the unit.
If the replacement fuse fails, contact your nearest authorized Panasonic Service Centre.

Maintenance

Your product is designed and manufactured to ensure the minimum of maintenance. Use a dry, soft cloth for routine exterior cleaning. Never use benzine, thinner, or other solvents.

Notes on Discs

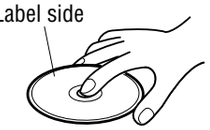
Notes on CD/CD Media (CD-R, CD-RW, CD-ROM)

If you use commercial CDs, they must have either of these labels shown at right.

(Only for CQ-C5400/C5300N)

How to hold the disc

- Do not touch the underside of the disc.
- Do not scratch on the disc.
- Do not bend the disc.
- When not in use, keep the disc in the case.



Do not use irregularly shaped discs.

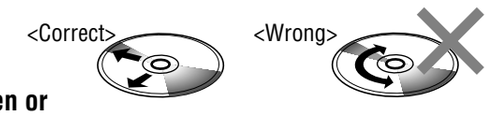
Do not leave discs in the following places:

- Direct sunlight
- Near car heaters
- Dirty, dusty and damp areas
- Seats and dashboards

Do not use irregularly shaped discs.

Disc cleaning

Use a dry, soft cloth to wipe from the centre outward.



Do not attach any seals or labels to your discs.

Do not write anything on the disc label with a pointed pen or hard-point pen.

Notes on CD-Rs/RWs

- You may have trouble playing back some CD-R/RW discs recorded on CD recorders (CD-R/RW drives), either due to their recording characteristics or dirt, fingerprints, scratches, etc. on the disc surface.
- CD-R/RW discs are less resistant to high temperatures and high humidity than ordinary music CDs. Leaving them inside a car for extended periods may damage and make playback impossible.
- Some CD-R/RWs can not be played back successfully thanks to incompatibility among writing software, a CD recorder (CD-R/RW drive) and the discs.
- This player cannot play the CD-R/RW discs if the session is not closed.
- This player cannot play the CD-R/RW discs which contains other than CD-DA or MP3/WMA (Only for CQ-C5400/C5300N) data.
- Be sure to observe the instructions of CD-R/RW disc for handling it.

Troubleshooting

If You Suspect Something Wrong

Check and take steps as described below.

If the described suggestions do not solve the problem, it is recommended to take the unit to your nearest authorized Panasonic Service Centre. The product should be serviced only by qualified personnel.

Caution:
- Do not use the unit in an irregular condition, for example, without sound, or with smoke or foul smell, which can cause ignition or electric shock. Immediately stop using the unit and call the store where you purchased it.
- Never try to repair the unit by yourself because it is dangerous to do so.

■ Common

Problem	Possible cause ➡ **Possible solution**
No power to the unit	The power cord (battery, ACC and ground) is connected in the wrong way. ➡**Check the wiring.**
	Fuse blowout ➡**Eliminate the cause of fuse blowout and replace the fuse with new one. Consult your dealer.**
Sound is not generated.	MUTE is set to ON. ➡**Set MUTE to OFF.**
	There is contact between the external mute lead and the chassis. ➡**Connect the external mute lead correctly. If the lead is unused, insulate it.**
	The wiring of speaker lines are not correct, or a break or poor contact arises. ➡**Check the wiring in accordance with the wiring diagram. (Installation Instructions)**
The demonstration screen displayed and no operable	You cannot operate the unit while the demonstration screen appears. ➡**Press [DISP] to end the demonstration screen.**
	If the demonstration screen appears frequently, there is a possibility that poor contact or wrong wiring arises between the battery lead of the unit and the battery cable of the car. (The battery lead should be always powered.) ➡**Check the battery wiring in accordance with the wiring diagram.**
Noise	There is an electromagnetic-wave generator such as a cellular phone near the unit or its electrical lines. ➡**Keep an electromagnetic-wave generator such as a cellular phone away from the unit and the wiring of the unit. In case that noise cannot be eliminated due to the wiring harness of the car, consult your dealer.**
	The contact of the ground lead is poor. ➡**Make sure that the ground lead is connected to an unpainted part of the chassis securely.**
Noise is made in step with engine revolutions.	Alternator noise comes from the car. ➡**Change the wiring position of the ground lead.** ➡**Mount a noise filter on the power supply.**
Some operations are not executable.	Some operations are not executable in particular modes such as menu mode. ➡**Read the operating instructions carefully and cancel the mode. In case the unit is still out of order, consult the dealer.**

■ Common (continued)

Problem	Possible cause ➡ **Possible solution**
No sound from speaker(s)	BAL/FAD setting is not appropriate. ➡**Readjust BAL/FAD.**
	There is a break, a short circuit, poor contact or wrong wiring regarding the speaker wiring. ➡**Check the speaker wiring.**
The speaker channels are reversed between right and left.	The speaker wiring is confused between right and left. ➡**Perform the speaker wiring in accordance with the wiring diagram.**
The sound field is not clear in the stereo mode. Central sound is not settled.	The plus and minus terminals at right and left channels of speakers are connected reversely. ➡**Perform the speaker wiring in accordance with the wiring diagram.**
The power fails unintentionally.	The safety device works. ➡**Call the store where you purchased the unit, or your nearest Panasonic Service Centre.**

■ Radio

Problem	Possible cause ➡ **Possible solution**
Poor reception or noise	Antenna installation or wiring of antenna cable is faulty. ➡**Check whether the antenna mounting position and its wiring are correct. In addition, check to see whether the antenna ground is securely connected to the chassis.**
	No power is supplied to the antenna amplifier (when using a film antenna, etc.). ➡**Check the wiring of the antenna battery lead.**
Stereo broadcast is received only in mono.	The MONO mode is active. ➡**Cancel the MONO mode.**
Only nearby stations can be received.	The LOCAL mode is active. ➡**Cancel the LOCAL mode.**
The number of auto preset stations is less than 6.	The number of receivable stations is less than 6. ➡**Move to an area where receivable stations number is maximum, and try presetting.**
	The LOCAL mode is active. ➡**Cancel the LOCAL mode.**
Preset stations cannot be stored.	The contact of the battery lead is poor, or the battery lead is not always powered. ➡**Make sure that the battery lead is connected securely, and preset stations again.**

Troubleshooting (continued)

RDS

Problem	Possible cause ➡ **Possible solution**
PS does not appear even if an RDS station is tuned into. (“NONE” appears.)	A PS code cannot be received for the reason of bad receiving conditions, etc. ➡**A PS code appears if it is received. Wait for a while until conditions change.**
Receiving programs differs from PTY that was already set up.	When the station changed between programs, the unit could not receive the PTY code. ➡**An appropriate program is searched for and tuned into after receiving a corresponding PTY code. Therefore, wait for a while.**
“NONE” appears when selecting PTY.	Any specified PTY programs cannot be received. There is no desired program being broadcast in your area. ➡**Select another PTY, or wait until a desired program starts.**
The clock (CT) does not indicate accurate time.	The unit received a station that broadcasting time that is not appropriate for you, or the unit is receiving a station that does not broadcast time. ➡**Receive a station that broadcasting time that is appropriate for your area, or adjust CT manually.**
An AF station cannot be received even if EON is set to ON.	There is little difference in receiving conditions between the current station and AF stations. Update of AF list ended in failure. ➡**Wait until AF list is successfully updated. For unstable reception, tune into a stable station by hand.**

CD

Problem	Possible cause ➡ **Possible solution**
No playback or disc ejected	The disc is inserted upside down. ➡**Insert a disc correctly.**
	There is a flaw or foreign objects on the disc. ➡**Remove the foreign objects, or use a flawless disc.**
Sound skipping or noise	There is a flaw or foreign objects on the disc. ➡**Remove the foreign objects, or use a flawless disc.**
Sound skipping due to vibration	The unit is not sufficiently secured. ➡**Secure the unit to the console box with the rear support strap, etc.**
	The unit is tilted at over 30˚ in the front-to-end direction. ➡**Make the angle 30˚ or less.**
Disc unejectable	Something such as a peeled label obstructs the disc coming out. ➡**Press and hold the [OPEN] button for more than 5 seconds when the front panel is open (disc forced ejection). In case that the disc forced ejection does not work, consult the dealer.**
	The microcontroller in the unit operates abnormally due to noise or other factors. ➡**Press the reset switch. If there is no reset switch, unplug the power cord and plug it again. In case the unit is still out of order, consult the dealer.**

MP3/WMA (Only for CQ-C5400/C5300N)

Problem	Possible cause ➡ **Possible solution**
No playback or disc ejected	The disc has unplayable formatted data. ➡**Refer to the description about MP3/WMA for playable sound data except CD-DA (i.e. music CD).**
	The unit plays back the first track of a MIX mode CD. ➡**Skip the first track.**
The CD-R/RWs that are playable on other devices are not playable on this unit.	The playability of some CD-R/RWs may depend on the combination of media, recording software and recorder to be used even if these CD-R/RWs are playable on other devices such as a PC. ➡**Make CD-R/RWs in different combination of media, recording software and recorder after referring to the description about MP3/WMA.**
Sound skipping or noise	There is a flaw or foreign objects on the disc. ➡**Remove the foreign objects, or use a flawless disc. For MP3/WMA, refer to the description about MP3/WMA.**

Note:

- Refer to “Notes on MP3/WMA”. (➡ Page 22)

Troubleshooting (continued)

Error Display Messages

■ CD/MP3/WMA (CQ-C5100N can not play MP3/WMA files.)

Display	Possible cause ➡ **Possible solution**
-E1- -E2- -E3- After 5 seconds CD EJECT	Disc is dirty, or is upside down. Disc has scratches. No operation by some cause. ➡ **Call the store where you purchased the unit, or your nearest Panasonic Service Centre.**
-E4- After 5 seconds **To next track/file automatically**	When there is no MP3/WMA files in the specified folder during direct MP3/WMA folder selection. The player for some reason cannot read the file you are trying to play. (File recorded in an unsupported file system, compression scheme, data format, file name extension, damaged data, etc.) ➡ **Select a file that the player can read. Confirm the type of data recorded on the disc. Create a new disc if necessary.**
-E5- After 5 seconds **To next track/file automatically**	A WMA file can be copyrighted. ➡ **The file protected by copyright is not playable.**

■ CD Changer

Display	Possible cause ➡ **Possible solution**
-E1- -E2- After 5 seconds **To next disc automatically**	Disc is dirty, or is upside down. Disc has scratches. ➡ **Eject the magazine.** ● Check the disc. ● Load the disc again.
-E3-	No operation by some cause. ➡ **Eject the magazine. If failure persists, press the reset switch on the CD changer. If normal operation is not restored, call the store where you purchased the unit or the nearest Panasonic Service Centre to ask for repairs.**
NO DISC	No disc is in the CD Changer (magazine). ➡ **Insert discs into the changer (magazine).**

■ CD Changer (continued)

Display	Possible cause ➡ **Possible solution**
CDC MALFUNCTION	Disconnected ➡ **Verify the wiring.**
01-01 0'00	Reading ➡ **Wait for a while.**

Note:

- Messages in the action and display sections of the error chart vary with changers. Refer to the operating instructions for the CD changer for details.

Specifications

General		FM Stereo Radio	
Power supply	: DC 12 V (11 V - 16 V), Test Voltage 14.4 V, negative Ground	Frequency range	: 87.5 - 108 MHz
Current consumption	: Less than 2.2 A (CD mode, 0.5 W 4-Speaker)	Usable sensitivity	: 6 dB/µV (S/N 30 dB)
Maximum power output	: 50 W x 4 (at 4 Ω)	Stereo separation	: 30 dB (at 1 kHz)
Power output	: 22 W x 4 (DIN45 324, at 4 Ω)	**AM (MW) Radio**	
Speaker impedance	: 4 - 8 Ω	Frequency range	: 531 - 1 602 kHz
External input impedance	: 10 kΩ (AUX IN) (CQ-C5400N)	Usable sensitivity	: 29 dB/µV (S/N 20 dB)
External input sensitivity	: 200 mV rms (AUX IN) (CQ-C5400N)	**AM (LW) Radio**	
External input voltage	: Max. 2 V (AUX IN) (CQ-C5400N)	Frequency range	: 153 - 279 kHz
Pre-amp output voltage	: 5 V (CD mode, CQ-C5400N) 2.5 V (CD mode, CQ-C5300/C5100N)	Usable sensitivity	: 32 dB/µV (S/N 20 dB)
Pre-amp output impedance	: 60 Ω (CQ-C5400N) 200 Ω (CQ-C5300/C5100N)	**CD Player**	
Subwoofer output voltage	: 5 V (CQ-C5400N) 2.5 V (CQ-C5300N)	Sampling frequency	: 8 times oversampling
Dimensions (W x H x D)	: 178 x 50 x 155 mm	DA converter	: 4 DAC System
Weight	: 1.6 kg	Pick-up type	: Astigma 3-beam
		Light source	: Semiconductor laser
		Wave length	: 780 nm
		Frequency response	: 20 Hz - 20 kHz (±1 dB)
		Signal to noise ratio	: 96 dB
		Total harmonic distortion	: 0.01 % (1 kHz)
		Wow and flutter	: Below measurable limits
		Channel separation	: 75 dB

Note:

- Specifications and design are subject to modification without notice due to improvements.

Sales and Support Information

Customer Care Centre

- For UK customers: 08705 357357
- For Republic of Ireland customers: 01 289 8333
- Visit our website for product information
- E-mail: customer.care@panasonic.co.uk

Direct Sales at Panasonic UK

- Order accessory and consumable items for your product with ease and confidence by phoning our Customer Care Centre Monday - Friday 9:00am - 5:30pm. (Excluding public holidays).
- Or go on line through our Internet Accessory ordering application at www.panasonic.co.uk.
- Most major credit and debit cards accepted.
- All enquiries transactions and distribution facilities are provided directly by Panasonic UK Ltd.
- It couldn't be simpler!
- Also available through our Internet is direct shopping for a wide range of finished products, take a browse on our website for further details.

Before Installation/Vor dem Einbau
Avant l'installation/Voor de installatie

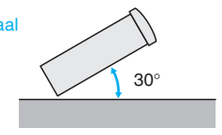
Consult a professional for installation.
- Verify the radio using the antenna and speakers before installation.

Wenden Sie sich zum Einbau an einen Fachmann.
- Probieren Sie den Radiobetrieb vor dem Einbau mit Antenne und Lautsprechern aus.

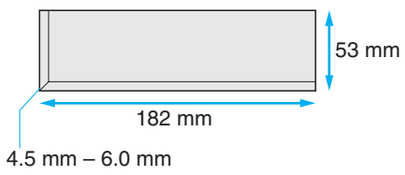
Prenez contact avec un spécialiste pour le montage.
- Vérifiez l'autoradio avant de procéder au montage.

Vraag een vakman voor de installatie.
- Controleer voor de installatie of de radio werkt met de antenne en de luidsprekers.

- Mounting angle side to side : horizontal
  front to rear : 0-30°
- Montagewinkel seitlich : horizontal
  vorne-hinten : 0-30°
- Angle de montage latéral : horizontal
  longitudinal : 0 à 30°
- Bevestigingshoek links/rechts : horizontaal
  voor/achter : 0 - 30°



- Mounting space
- Einbauöffnung
- Espace nécessaire pour le montage
- Benodigde ruimte

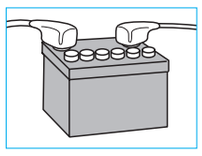


Remove Mounting Collar ① and Trim Plate ④ from the main unit temporarily, which are already mounted at shipment.
Die bei der Lieferung montierte Einbauhalterung ① und Abdeckplatte ④ vorübergehend vom Gerät abmontieren.
Démontez provisoirement le cadre de montage ① et la plaque de garniture ④ de l'appareil principal, qui sont déjà mis en place lors de l'expédition.
Verwijder de Bevestigingskraag ① en de Afwerkingsrand ④, die bij het verlaten van de fabriek gemonteerd zijn, tijdelijk van het hoofdtoestel.

Before Wiring/Vor der Verdrahtung
Avant le câblage/Voor het aansluiten van de bedrading

Exclusively operated with 12-volt battery with negative (–) ground.
Dieses Gerät ist ausschließlich für den Anschluss an Bordnetze mit 12 V Batterie und negativer (–) Klemme an Masse bestimmt.
Alimentez l'appareil absolument par la batterie de 12 volts avec sa polarité négative (–) mise à la masse.
Uitsluitend voor gebruik met een 12 Volt accusysteem met negatieve (–) aarding.

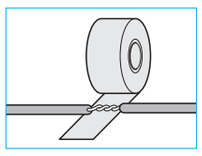
Connect the power lead (red) very last. (for non-ISO connector)
Schließen Sie den Versorgungsleiter (rot) zum Schluss an (wenn kein ISO-Stecker verwendet wird).
Raccorder le fil d'alimentation (rouge) en dernier. (pour un connecteur non-ISO)
Sluit de stroomdraad (rood) pas het allerlaatst aan. (voor een niet-ISO aansluiting)



Connect the battery lead (yellow) to the positive (+) terminal of the battery or fuse block terminal (BAT). (for non-ISO connector)
Schließen Sie das Batteriekabel (gelb) an die positive (+) Klemme der Batterie oder an die (BAT) Klemme des Sicherungsblocks an (wenn kein ISO-Stecker verwendet wird).
Connectez le fil (jaune) à la borne positive (+) de la batterie ou à la borne (BAT) de la boîte à fusibles. (pour un connecteur non-ISO)
Sluit de accudraad (geel) aan op de positieve (+) aansluiting van de accu of van het zekeringenblok (BAT). (voor een niet-ISO aansluiting.)

Strip about 5 mm of the lead ends for connection. (for non-ISO connector)
Entfernen Sie etwa 5 mm der Isolierung von den Kabelenden für den Anschluss (wenn kein ISO-Stecker verwendet wird).
Dénudez les extrémités de fil de 5 mm environ pour la connexion. (pour un connecteur non-ISO)
Strip ongeveer 5 mm van de uiteinden van de draden om de verbinding tot stand te kunnen brengen. (voor een niet-ISO aansluiting.)

Apply insulating tape to bare leads.
Isolieren Sie alle freiliegenden Leiter.
Recouvrez les fils nus d'un ruban isolant.
Isoleer blote draadeinden met isolatieband.



Secure loosened leads.
Sichern Sie alle losen Leiter.
Resserrez les connexions de fils.
Zet loshangende draden vast.

Supplied Hardware/Mitgelieferte Hardware/Matériel d'installation/Meegeleverde onderdelen

No.	Item	Diagram	Q'ty	No.	Item	Diagram	Q'ty
①	Mounting collar Einbauhalterung Cadre de montage Bevestigingskraag	YEFX0216165	1	④	Trim plate Abdeckplatte Plaque de garniture Afwerkingsrand	YEFC05606 YEFC05608	1
②	Mounting bolt (5 mmø) Befestigungsschraube (5 mmø) Boulon (5 mmø) Bout (5 mmø)		1	⑤	ISO antenna adapter ISO-Antennenadapter Adaptateur d'antenne ISO ISO antenne-adapter		1
③	Power connector Versorgungsstecker Connecteur d'alimentation Stroomstekker	YEAJ02872	1	⑥	Lock cancel plate Verriegelungsfreigabeplatte Plaque anti-blocage Ontgrendelingsplaat		2

* ②, ⑤ and ⑥ consist of a set. (YEP0FZ3316) * ②, ⑤ und ⑥ bestehen als Satz. (YEP0FZ3316)
* ②, ⑤ et ⑥ constituent un jeu. (YEP0FZ3316) * ②, ⑤ en ⑥ bestaan uit een set. (YEP0FZ3316)

Panasonic

MP3 WMA CD Player/Receiver with CD Changer Control

CQ-C5400/C5300N

CD Player/Receiver with CD Changer Control

CQ-C5100N

(CQ-C5400N)

Installation Instructions
Einbauanleitung
Instructions d'installation
Installatiehandleiding

English | Deutsch | Français | Nederlands

COMPACT disc DIGITAL AUDIO TEXT — WMA — MP3 — PANASONIC INTELLIGENT RIDISI ECONI

- Please read these instructions carefully before using this product and keep this manual for future reference.
- Bitte lesen Sie diese Bedienungsanleitung vor der Verwendung dieses Produktes aufmerksam durch und bewahren Sie sie danach für spätere Nachschlagzwecke sorgfältig auf.
- Prière de lire ces instructions attentivement avant d'utiliser le produit et garder ce manuel pour l'utilisation ultérieure.
- Leest u deze instructie alstublieft zorgvuldig door voor u dit product in gebruik neemt en bewaar deze handleiding voor later gebruik.

Matsushita Electric Industrial Co., Ltd.
Web Site : http://www.panasonic.co.jp/global/

YEFM293097 NT1203-1024 Printed in China

Installation/Einbau/Montage/Installatie

How to install the unit/Einbau des Gerätes/Mode de montage de l'appareil/Installeren van het toestel

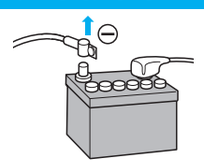
Cautions :
- Wear gloves for safety.
- Make sure that wiring is completed before installation.

Vorsicht :
- Tragen Sie Handschuhe, um sich vor Verletzungen zu schützen.
- Achten Sie vor dem Einbau darauf, dass die Verdrahtung fertiggestellt ist.

Précautions:
- Porter des gants à des fins de sécurité.
- S'assurer que le câblage est terminé avant l'installation.

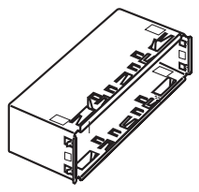
Let op:
- Draag handschoenen voor uw veiligheid.
- Controleer of de bedrading correct is aangelegd voor u gaat installeren.

1 Remove the cable from the battery negative terminal.
Trennen Sie das Kabel von der negativen Batterieklemme ab.
Retirer le câble de la borne négative de la batterie.
Koppel de kabel van de negatieve aansluiting van de accu los.



2 Mounting collar insertion
Bend mounting tabs.
Einsetzen der Einbauhülse
Biegen Sie die Einbaulaschen ab.
Insertion du cadre de montage
Replier les languettes de fixation
Inbrengen bevestigingskraag
Buig bevestigingslipjes om.

Bend appropriate tabs to secure the unit without backlash.
Die entsprechenden Einbaulaschen so umbiegen, dass das Gerät ohne Spielraum fest sitzt.
Replier les languettes de fixation appropriées pour immobiliser l'appareil sans contrecoup.
Buig de juiste lipjes om zodat het toestel vast zit zonder speling.



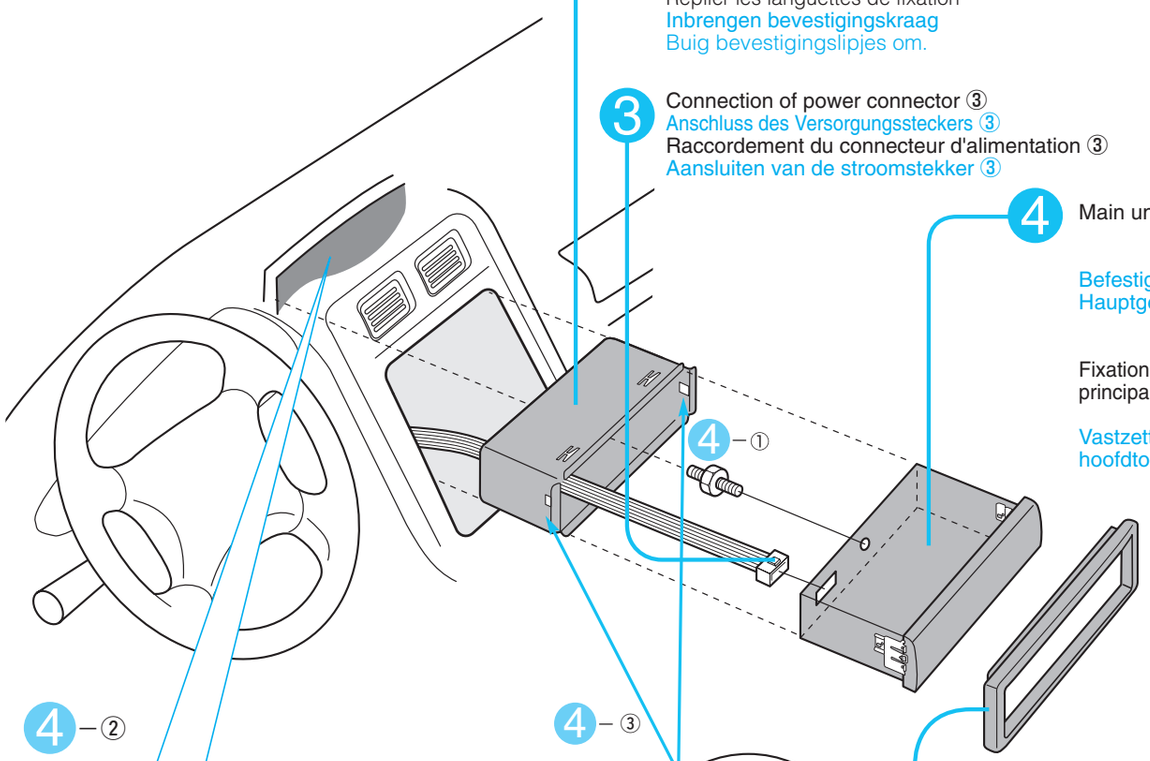
3 Connection of power connector ③
Anschluss des Versorgungssteckers ③
Raccordement du connecteur d'alimentation ③
Aansluiten van de stroomstekker ③

4 Main unit securing
① Screw the bolt into the main unit.
② Secure the rear of the main unit.
③ Snap the right and left springs into each hole.

Befestigung des Hauptgerätes
① Schrauben Sie die Schraube in das Hauptgerät.
② Sichern Sie die Rückseite des Hauptgerätes.
③ Lassen Sie die rechten und linken Federn in den Löchern einschnappen.

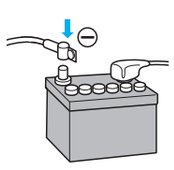
Fixation de l'appareil principal
① Visser le boulon dans l'appareil principal.
② Fixer l'arrière de l'appareil principal.
③ Bouteroller les ressorts droit et gauche dans chaque trou.

Vastzetten hoofdtoestel
① Schroef de bout in het hoofdtoestel.
② Zet de achterkant van het hoofdtoestel vast.
③ Pas de rechter en linker veren in de bijbehorende gaten.



5 Trim plate ④ mounting
Anbringen der Abdeckplatte ④
Installation de la plaque de garniture ④
Bevestigen van de afwerkingsrand ④

6 Battery Cable reconnection
Wiederanschließen des Kabels
Rebranchement du câble
Opnieuw aansluiten kabel



IMPORTANT
When this unit is installed in dashboard, ensure that there is sufficient air flow around the unit to prevent damage from overheating, do not block any ventilation holes on the unit.

WICHTIG
Bei Einbau des Geräts im Armaturenbrett sollte darauf geachtet werden, dass der Luftstrom um das Gerät nicht behindert ist, um Beschädigung durch Überhitzen zu verhindern, und die Belüftungsöffnungen des Geräts nicht blockiert sind.

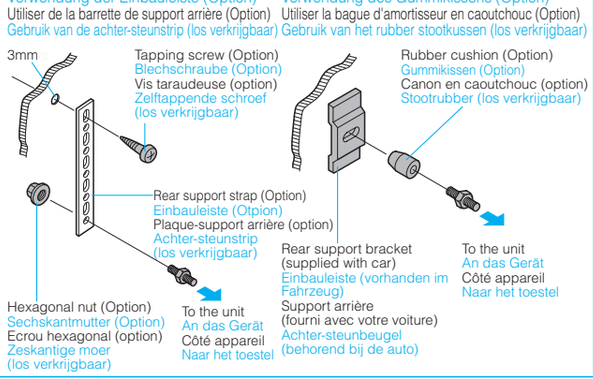
IMPORTANT
Lorsque cet appareil est installé dans le tableau de bord, assurez-vous qu'il y a une circulation d'air suffisante autour de l'appareil afin d'éviter tout endommagement provoqué par une surchauffe et qu'aucun trou d'aération de l'appareil n'est obturé.

BELANGRIJK
Wanneer dit toestel in het dashboard wordt geïnstalleerd, moet u ervoor zorgen dat er voldoende ventilatie is rond het toestel. Om oververhitting te voorkomen mogen de ventilatie-openingen in het toestel niet afgedekt worden.

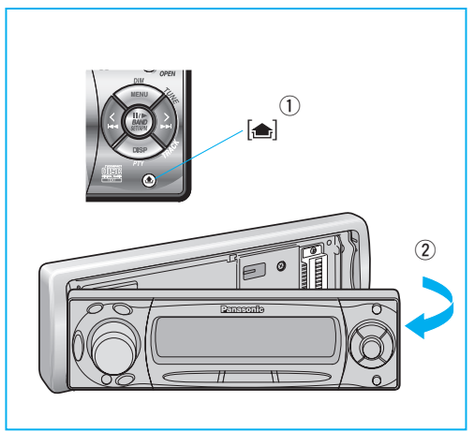
Securing to fire wall
Befestigung an Brandschutzwand
Obtenir un pare-feu
Vastzetten aan het brandschot

Using the rear support strap (Option)
Verwendung der Einbauleiste (Option)
Utiliser de la barrette de support arrière (Option)
Gebruik van de achter-steunstrip (los verkrijgbaar)

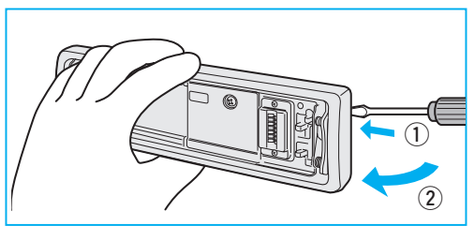
Using the rubber cushion (Option)
Verwendung des Gummikissens (Option)
Utiliser la bague d'amortisseur en caoutchouc (Option)
Gebruik van het rubber stootkussen (los verkrijgbaar)



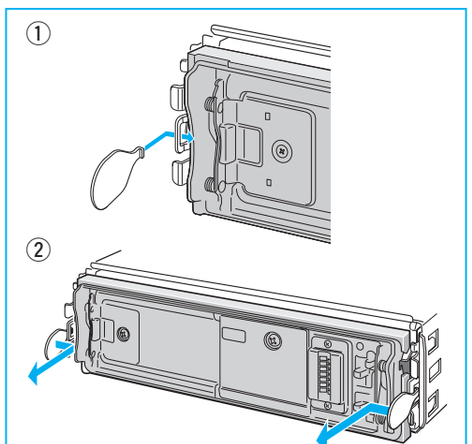
How to remove the unit/Ausbau des Gerätes
Dépose de l'appareil/Verwijderen van het toestel



1 Remove the front panel.
Nehmen Sie das Bedienteil ab.
Retirez le panneau de façade.
Verwijder het voorpaneel.



2 Remove the trim plate ④.
Entfernen Sie die Abdeckplatte ④.
Enlevez la plaque de garniture ④.
Verwijder de afwerkingsrand ④.

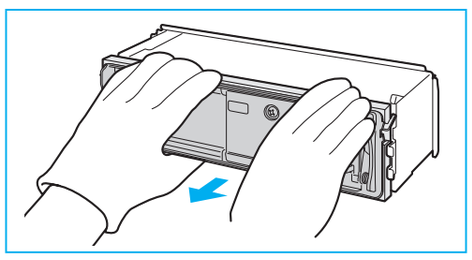


3 Lock release
① Insert the lock cancel plate ⑥ until you hear a click.
② Pull the main unit while pushing the plate inward.

Freigabe der Verriegelung
① Führen Sie die Verriegelungsfreigabeplatte ⑥, bis Sie ein Klickgeräusch vernehmen können.
② Ziehen Sie an dem Hauptgerät, während Sie die Platte hineindrücken.

Libération du verrouillage
① Introduisez la plaque anti-blocage ⑥ jusqu'à entendre un clic.
② Dégager l'appareil principal tout en repoussant la plaque vers l'intérieur.

Ontgrendeling
① Steek de ontgrendelingsplaat ⑥ naar binnen tot u een klik hoort.
② Trek het hoofdtoestel naar buiten terwijl u de plaat naar binnen drukt.



4 Pull out the unit with both hands.
Ziehen Sie das Gerät mit beiden Händen heraus.
Retirez l'appareil à deux mains.
Trek het toestel met beide handen naar buiten.

Wiring/Verdrahtung/Câblage/Bedrading

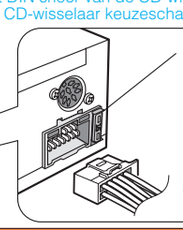
Warning: Do not connect the power connector until the whole wiring is completed.

Warnung: Schließen Sie den Versorgungsstecker erst an, nachdem die gesamte Verdrahtung beendet wurde.

Avertissement: Ne pas raccorder le connecteur d'alimentation tant que la totalité des câblages n'est pas complètement terminée.

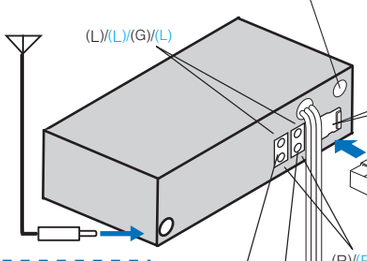
Waarschuwing: Sluit de stroomstekker pas aan wanneer de volledige bedrading is aangesloten.

CD Changer Control Connector The DIN cord of a CD changer (ex. CX-DP880N) should be connected.
The DIN cord of a dual CD changer selector (ex. CA-CD55EN) should be connected when the selector is incorporated into the system.
Steckverbinder der CD-Wechslersteuerung Hier das DIN-Kabel eines CD-Wechslers (z.B. CX-DP880N) anschließen.
Hier das DIN-Kabel einer Doppelwechsler-Steuerung (z.B. CA-CD55EN) anschließen, wenn eine solche im System vorhanden ist.
Connecteur de commande de changeur de disque CD Le cordon DIN d'un changeur de disque CD (expl. CX-DP880N) doit être raccordé.
Le cordon DIN d'un sélecteur de double changeur de disque CD (par expl. CA-CD55EN) doit être connecté lorsque le sélecteur est incorporé dans le système.
Stekker CD-wisselaar bediening Sluit het DIN snoer van de CD-wisselaar (bijv. CX-DP880N) aan.
Sluit het DIN snoer van een tweevoudige CD-wisselaar keuzeschakelaar (bijv. CA-CD55EN) aan wanneer de keuzeschakelaar deel uitmaakt van uw systeem.



Fuse (15A) Refer fuse replacement to your nearest authorized Panasonic Service centre. Do not try fuse replacement by yourself.
Sicherung (15A): Wenden Sie sich zum Austausch der Sicherung an eine autorisierte Panasonic-Kundendienststelle in Ihrer Nähe. Versuchen Sie nicht, den Austausch selbst vorzunehmen. Steckverbinder am Fahrzeug
Fusible (15A) Confier le remplacement de fusible au centre de service de service après-vente Panasonic agréé le plus proche. Ne pas essayer de remplacer le fusible tout(e) seul(e).
Zekering (15A) Laat het vervangen van de zekering over aan uw dichtstbijzijnde Panasonic service-centrum. Probeer in geen geval zelf de zekering te vervangen.

Antenna
Antenne
Antenne
Antenne

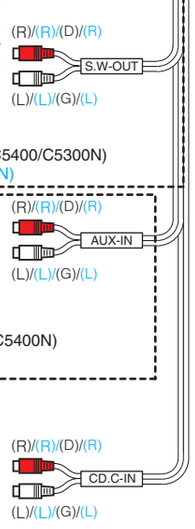


⑤ ISO Antenna Adapter (If needed)
⑤ ISO-Antennen-adapter (falls erfor derlich)
⑤ Adaptateur d'antenne ISO (si nécessaire)
⑤ ISO antenne-adapter (Indien nodig)

Preamp Out Connector (Rear)
Vorverstärker-Ausgang (Rückseite)
Connecteur de sortie de préamplificateur (arrière)
Uitgangsaansluiting voorversterker (achter)

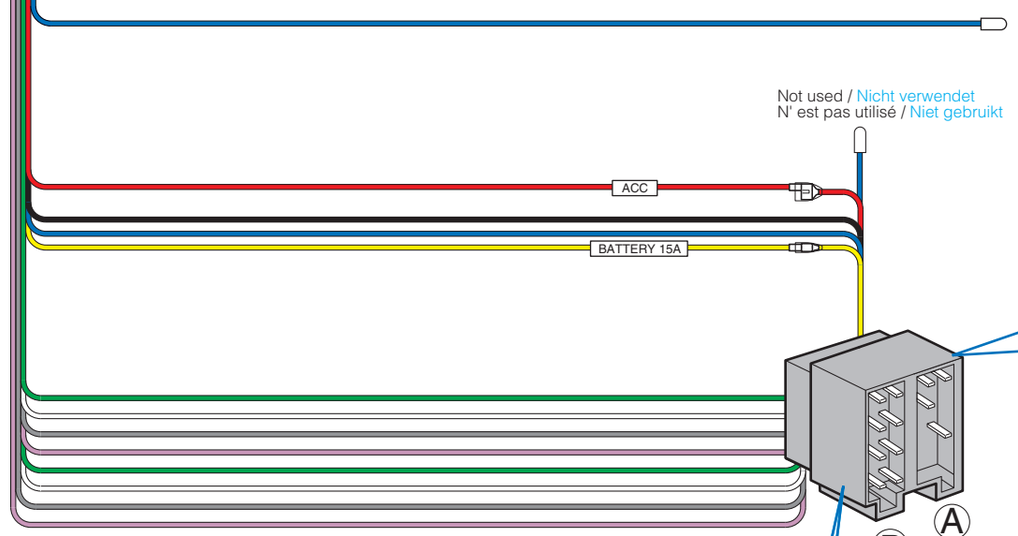
Preamp Out Connector (Front)
Vorverstärker-Ausgang (Vorderseite)
Connecteur de sortie de préamplificateur (avant)
Uitgangsaansluiting voorversterker (voor)

Sub-Woofer Out Cord (Monaural)
Subwoofer-Ausgangskabel (MONO)
Cordon de sortie de woofer secondaire de grave (monaural)
Subwoofer uitgangsaansluiting (mono)
(Only for CQ-C5400/C5300N)
(nur für CQ-C5400/C5300N)
(uniquement pour le modèle CQ-C5400/C5300N)
(Alleen voor de CQ-C5400/C5300N)



AUX Input Cord
AUX-Eingangskabel
Cordon d'entrée AUX
AUX ingangsaansluiting
(Only for CQ-C5400N)
(nur für CQ-C5400N)
(uniquement pour le modèle CQ-C5400N)
(Alleen voor de CQ-C5400N)

Not used / Nicht verwendet
N' est pas utilisé / Niet gebruikt



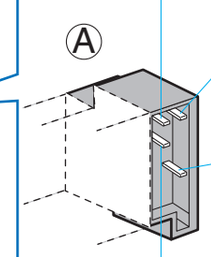
C1 : (Orange)/(Orange)/(Orange)/(Oranje)
External Mute Lead
To the Navi Mute lead of the Panasonic car navigation system or car telephone mute lead.
Externe-Stummschaltungskabel
An das Navigationssystem-Stummschaltungskabel des Panasonic Navigationssystems oder an das Autotelefon-Stummschaltungskabel.
Fil de Mise en sourdine extérieure
A raccorder au fil Navi Mute du système de navigation automobile de Panasonic ou au fil de mise en sourdine du téléphone pour véhicule.
Externe-geluiddempingsdraad
Naar de Navi Mute draad van een Panasonic auto-navigatiesysteem of naar de dempingsdraad voor deautotelefoon.

C2 : (Brown w/white stripe)/(Braun mit weißem Streifen)/(Brun à rayures blanches)/(Bruin met witte streep)
Dual CD Changer Control Lead
The dual CD changer control lead of a dual CD changer selector (ex. CA-CD55EN) should be connected.
Kabel für Doppelwechsler-Steuerung
Hier das Kabel für eine Doppelwechsler-Steuerung (z.B. CA-CD55EN) anschließen.
Fil de commande de double changeur de disque CD Le fil de commande d'un double changeur de disque CD d'un sélecteur de double changeur de disque CD (par expl. CA-CD55EN) doit être connecté.
Stuurdraad tweevoudige CD-wisselaar
Sluit de tweevoudige CD-wisselaar stuurdraad van een tweevoudige CD-wisselaar keuzeschakelaar (bijv. CA-CD55EN) aan.

C3 : (Brown w/black stripe)/(Braun mit schwarzem Streifen)/(Brun à rayures noires)/(Bruin met zwarte streep)
External Remote Control Lead
When using a non-Panasonic external remote control, refer to the manufacture for their product before connecting.
Leitungsdraht für externe Fernbedienung
Wenn Sie eine externe Fernbedienung verwenden, die nicht von Panasonic hergestellt wurde, wenden Sie sich vor dem Anschluss an den Hersteller des Produktes.
Fil de la télécommande extérieure
En cas d'utilisation d'une télécommande extérieure non-Panasonic, se référer aux conseils du fabricant concerné pour les connexions électriques.
Externe afstandsbedieningsdraad
Bij gebruik van een externe afstandsbediening die niet van Panasonic is, dient u voor aansluiting de handleiding of de fabrikant van het product in kwestie te raadplegen.

C4 : (Blue w/white stripe)/(Blau mit weißem Streifen)/(Bleu à rayures blanches)/(Blauw met witte streep)
External Amplifier Control Power Lead To an external amplifier.
Stromversorgungskabel für externen Verstärker An einen externen Verstärker.
Fil d'alimentation de commande d'amplificateur externe À un amplificateur externe.
Stroomdraad externe versterker bediening Naar een externe versterker.

ISO Connector Ⓐ
ISO-Stecker Ⓐ
Connecteur ISO Ⓐ
ISO aansluiting Ⓐ



A7 : (Red)/(Rot)/(Rouge)/(Rood)
Power Lead (ACC or IGN) To ACC power, +12 V DC.
Versorgungskabel (ACC oder IGN) An die ACC-Stromklemme, +12 V Gleichspannung.
Fil d'alimentation (ACC ou IGN) A l'alimentation ACC, +12 V CC
Stroomdraad (ACC of IGN) Naar ACC stroomvoorziening, + 12 V gelijkstroom.

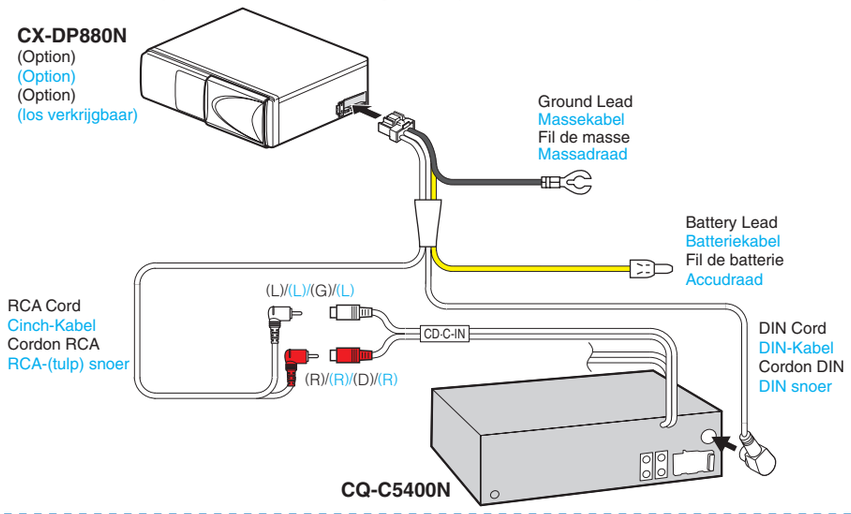
A8 : (Black)/(Schwarz)/(Noir)/(Zwart)
Ground Lead To a clean, bare metallic part of the car chassis.
Massekabel An ein sauberes, metallisches Teil des Fahrzeugchassis.
Fil de mise à la masse A une partie métallique propre découverte du châssis de voiture
Aarding Naar een schoon, bloot metalen onderdeel van het chassis.

A4 : (Yellow)/(Gelb)/(Jaune)/(Geel)
Battery Lead To the car battery, continuous +12 V DC.
Batteriekabel An die Batterie des Fahrzeuges, kontinuierlich +12 V Gleichspannung.
Fil de batterie A la batterie de voiture, alimentation continue de +12 V CC
Accudraad Naar de accu van de auto, doorlopende stroomvoorziening + 12 V gelijkstroom.

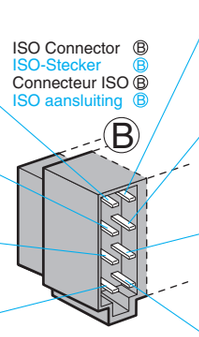
A5 : (Blue)/(Blau)/(Bleu)/(Blauw)
Motor Antenna Relay Control Lead
To Motor Antenna. (Max. 100 mA)
(This lead is not intended for use with a switch actuated power antenna)
Steuerkabel für Relais der motorbetriebenen Antenne
Zu motorbetriebenen Antenne (max. 100 mA)
(Dieses Kabel dient nicht für die Verwendung mit einer über einen Schalter aktivierten motorbetriebenen Antenne.)
Fil de commande de relais d'antenne motorisée
A l'antenne motorisée (100 mA maxi.)
(Ce fil n'est pas conçu pour l'usage avec l'antenne commandée par interrupteur.)
Stuurdraad relais gemotoriseerde antenne
Naar de gemotoriseerde antenne. (Max. 100 mA)
(Deze draad is niet bedoeld voor een gemotoriseerde antenne die met een schakelaar wordt ingeschakeld.)

CD Changer Input Connector
The RCA cord of a CD changer (ex. CX-DP880N) should be connected.
The RCA cord of a dual CD changer selector (ex. CA-CD55EN) should be connected when the selector is incorporated into the system.
CD-Wechsler-Eingangssteckverbinder
Hier das RCA-Kabel eines CD-Wechslers (z.B. CX-DP880N) anschließen.
Hier das RCA-Kabel einer Doppelwechsler-Steuerung (z.B. CA-CD55EN) anschließen, wenn eine solche im System vorhanden ist.
Connecteur d'entrée de changeur de disque CD
Le cordon RCA d'un sélecteur de changeur de disque CD (expl. CX-DP880N) doit être raccordé.
Le cordon RCA d'un sélecteur de double changeur de disque CD (par expl. CA-CD55EN) doit être connecté lorsque le sélecteur est incorporé le système.
Ingangsaansluiting CD-wisselaar
Sluit het RCA (tulpstekker) snoer van de CD-wisselaar (bijv. CX-DP880N) aan.
Sluit het RCA (tulpstakker) snoer van een tweevoudige CD-wisselaar keuzeschakelaar (bijv. CA-CD55EN) aan wanneer de keuzeschakelaar deel uitmaakt van uw systeem.

System Upgrade Example: Connecting with a CD changer/Beispiel für die Systemerweiterung: Anschluss an einen CD-Wechsler/
Exemple de mise à niveau de système: Raccordement à un changeur de disque CD/Voorbeeld uitbreiding systeem: aansluiten van een CD-wisselaar



ISO Connector Ⓑ
ISO-Stecker Ⓑ
Connecteur ISO Ⓑ
ISO aansluiting Ⓑ



B7 : Rear Left + (Green)
Hinten Links + (Grün)
Arrière gauche + (Vert)
Links achter + (Groen)

B5 : Front Left + (White)
Vorne Links + (Weiß)
Avant gauche + (Blanc)
Links voor + (Wit)

B3 : Front Right + (Gray)
Vorne Rechts + (Grau)
Avant droit + (Gris)
Rechts voor + (Grijs)

B1 : Rear Right + (Violet)
Hinten Rechts + (Violett)
Arrière droit + (Violet)
Rechts achter + (Paars)

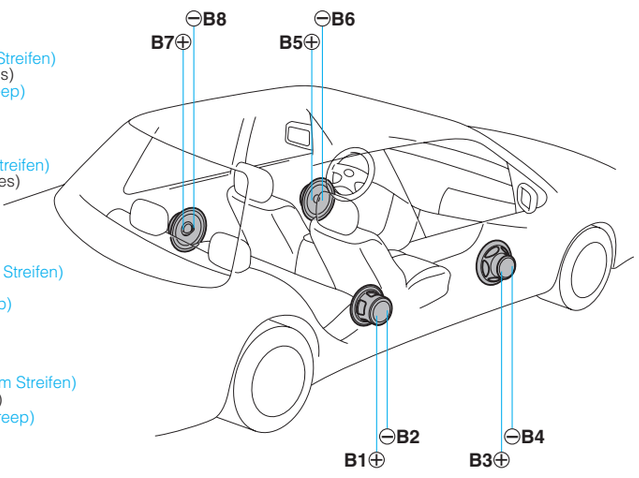
⊕ ⊖

B8 : Rear Left – (Green w/black stripe)
Hinten Links – (Grün mit schwarzem Streifen)
Arrière gauche – (Vert à rayures noires)
Links achter – (Groen met zwarte streep)

B6 : Front Left – (White w/black stripe)
Vorne Links – (Weiß mit schwarzem Streifen)
Avant gauche – (Blanc à rayures noires)
Links voor – (Wit met zwarte streep)

B4 : Front Right – (Gray w/black stripe)
Vorne Rechts – (Grau mit schwarzem Streifen)
Avant droit – (Gris à rayures noires)
Rechts voor – (Grijs met zwarte streep)

B2 : Rear Right – (Violet w/black stripe)
Hinten Rechts – (Violett mit schwarzem Streifen)
Arrière droit – (Violet à rayures noires)
Rechts achter – (Paars met zwarte streep)

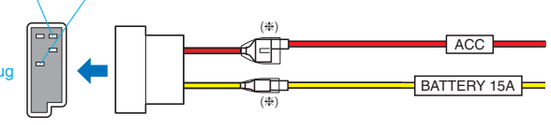


Power connector/Versorgungsstecker/Connecteur d'alimentation/Stroomstekker

ISO Standard ISO/ISO-Standard/Normes ISO/Standaard ISO

A7
IGN or ACC 12V supply
12 V-Versorgung (IGN/ACC)
Alimentation 12 volts en IGN ou ACC
IGN of ACC 12 V stroomvoorziening

A4
12V Batteries (Continuouse supply)
12 V-Batterie (Dauerversorgung)
Batterie de 12 volts (alimentation continue)
12 V accu (doorlopende stroomvoorziening)

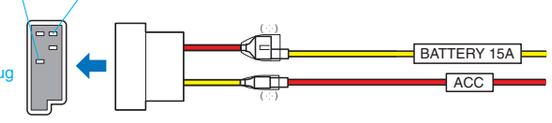


Car-side connector
Steckverbinder am Fahrzeug
Connecteur côté voiture
Stekker aan autozijde

Car Type A/Kraftfahrzeug des Typs A/Type de voiture A/Autotype A

A4
IGN or ACC 12V supply
12 V-Versorgung (IGN/ACC)
Alimentation 12 volts en IGN ou ACC
IGN of ACC 12 V stroomvoorziening

A7
12V Batteries (Continuouse supply)
12 V-Batterie (Dauerversorgung)
Batterie de 12 volts (alimentation continue)
12 V accu (doorlopende stroomvoorziening)

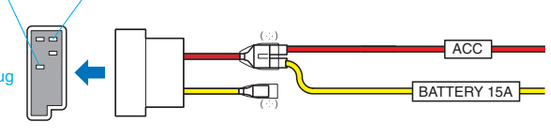


Car-side connector
Steckverbinder am Fahrzeug
Connecteur côté voiture
Stekker aan autozijde

Car Type B/Kraftfahrzeug des Typs B/Type de voiture B/Autotype B

A4
No connection
Kein Anschluss
Aucune connexion
Geen aansluiting

A7
12V Batteries (Continuouse supply)
12 V-Batterie (Dauerversorgung)
Batterie de 12 volts (alimentation continue)
12 V accu (doorlopende stroomvoorziening)



Car-side connector
Steckverbinder am Fahrzeug
Connecteur côté voiture
Stekker aan autozijde

Precautions (ISO Connector)

- The pin arrangement of the power connector conforms to ISO standard.
- Please check that the pin arrangement of the connector in your car conforms to ISO standard.
- For car types A and B, change the wiring of the red and yellow leads as shown at below.
- After connection, insulate the portions marked (⁜) with insulating tape.

Note: For cars other than types A and B, please consult your local car shop.

Vorsichtsmaßregeln (ISO-Stecker)

- Die Stiftbelegung des Versorgungssteckers entspricht dem ISO-Standard.
- Bitte stellen Sie sicher, dass die Stiftbelegung des Steckers in Ihrem Fahrzeug dem ISO-Standard entspricht.200
- Für Fahrzeuge der Typen A und B, ändern Sie die Verdrahtung der roten und gelben Leiter gemäß Abbildung.
- Nach dem Anschluss isolieren Sie die mit (⁜) markierten Abschnitte mit Isolierband.

Hinweis: Für andere Fahrzeuge als Typ A und B, wenden Sie sich bitte an eine örtliche Pkw-Werkstatt.

Précautions (Connecteur ISO)

- La disposition des broches du connecteur d'alimentation est conforme à la norme ISO.
- Veuillez vérifier si que la disposition des broches du connecteur d'alimentation dans votre voiture est conforme à la norme ISO.
- Pour les types de voiture A et B, changer le câblage des fils rouge et jaune comme indiqué ci-dessous.
- Après avoir fait les connexions, isoler les sections marquées (⁜) avec de la bande isolante.

Remarque: Pour les voitures autres que des types A et B, veuillez consulter votre magasin de matériel automobile local.

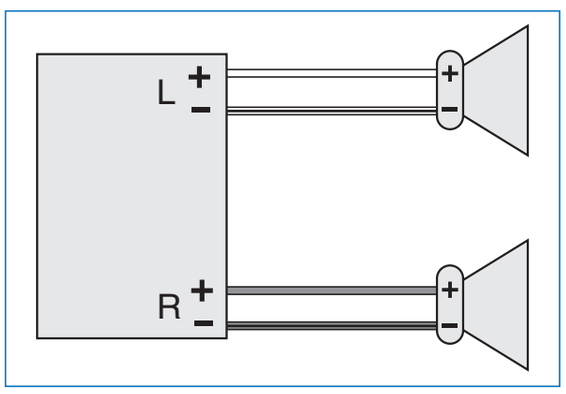
Voorzorgen (ISO stekker)

- De pen-configuratie van de stroomstekker voldoet aan de ISO standaard.
- Controleer of de pen-configuratie van de stekker in uw auto eveneens voldoet aan de ISO standaard.
- Voor auto's van type A en B, dient u de bedrading voor de rode en gele draden te wijzigen zoals hieronder staat aangegeven.
- Na het aansluiten dient u de gedeelten die met (⁜) gemarkeerd zijn met isolatieband af te plakken.

Opmerking: Voor andere auto's dan die van type A en B dient u uw garage te raadplegen.

Speaker Connection/Anschluss der Lautsprecher/Branchement avec les haut-parleurs/Aansluiten van de luidsprekers

Connect as follows.
Nehmen Sie den Anschluss wie folgt vor.
Branchez les haut-parleurs comme suit.
Sluit de luidsprekers als volgt aan.

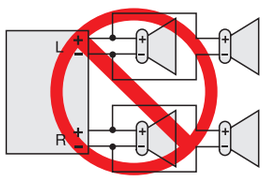


- Use ungrounded speakers only.
  Allowable input : 50W or more
  Impedance : 4 – 8 Ω
- Distance between speaker and amplifier: 30 cm or more

- Verwenden Sie nicht geerdete Lautsprecher.
  Zulässige Belastbarkeit: 50 W oder mehr
  Impedanz : 4 – 8 Ω
- Entfernung zwischen Lautsprecher und Verstärker: 30 cm oder mehr

- Utilisez uniquement des haut-parleurs non reliés à la masse.
  Puissance d'entrée admissible: 50 W ou davantage
  Impédance: 4 – 8 Ω
- Distance entre le haut-parleur et l'amplificateur: 30 cm ou davantage

- Gebruik uitsluitend ongeaarde luidsprekers.
  Toegestaan ingangsvermogen: 50 W of hoger
  Impedantie: 4 - 8 Ω
- Afstand tussen luidspreker en versterker: 30 cm of meer



- Do not connect more than one speaker to one set of speaker leads. (except for connecting to a tweeter)
- Schließen Sie niemals mehr als einen Lautsprecher an einen Satz Lautsprecherleiter an. (außer bei Anschluss eines Hochtonlautsprechers)
- Ne raccorder pas plus d'un haut-parleur à un ensemble de fils de haut-parleur. (Sauf lors du raccordement à un tweeter)
- Sluit niet meer dan één luidspreker aan op één paar luidsprekerdraden. (Behalve bij aansluiting op een tweeter.)
- Do not use a 3-wire type speaker system having a common earth lead.
- Verwenden Sie niemals Lautsprechersysteme mit Dreierverkabelung, die einen gemeinsamen Erdungsleiter aufweist.
- Ne pas utiliser pas de système de haut-parleur de type à 3 fils ayant un fil de mise à la masse commun.
- Gebruik geen luidsprekersysteem met drie draden en een gedeelde aarddraad.